THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARIJIT SAHA   **Honours: MATHEMATICS**   **Roll No. 170310400017**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	5.09	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	6.00	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	4.33	4.85	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2019			
	MATHEMATICS	CC-7	Numerical Methods	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	6.38	Q
	MATHEMATICS	CC-9	Multivariate Calculus	7	6	42	2020			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	4	6	24	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.00	9.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	8	6	48	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$ \text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i} $$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBJANI GHOSH   **Honours: CHEMISTRY**   **Roll No. 170310400040**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	CHEMISTRY	CC-1	Organic Chemistry-I	10	6	60	2017	9.00	8.64	Q
		CC-2	Physical Chemistry-I	8	6	48	2017			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2018	9.00	8.90	Q
		CC-4	Organic Chemistry-II	9	6	54	2018			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2018	9.00	9.08	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2018			
		CC-7	Organic Chemistry-III	9	6	54	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	10	2	20	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2019	5.67	5.62	Q
		CC-9	Inorganic Chemistry-III	7	6	42	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	7	2	14	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2019	7.00	7.00	Q
		CC-12	Organic Chemistry-V	6	6	36	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2019			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2020	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2020			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2020			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.11	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.07		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course					
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

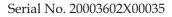**Percentage Conversion Formula:**

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DIBYAJYOTI BISWAS   **Honours: ECONOMICS**   **Roll No. 170310400041**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ECONOMICS	CC-1	Introductory Microeconomics	4	6	24	2017	4.00	4.91	Q
	ECONOMICS	CC-2	Statistics-I	4	6	24	2018			
	STATISTICS	GE-1	Statistical Methods	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ECONOMICS	CC-3	Introductory Macroeconomics	4	6	24	2018	4.50	4.70	Q
	ECONOMICS	CC-4	Mathematical Economics-I	5	6	30	2019			
	STATISTICS	GE-2	Introductory Probability	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	5	2	10	2018			
III	ECONOMICS	CC-5	Intermediate Microeconomics	NA	6	NA				SNC
	ECONOMICS	CC-6	Intermediate Macroeconomics	4	6	24	2018			
	ECONOMICS	CC-7	Mathematical Economics -II	5	6	30	2018			
	MATHEMATICS	GE-3	Real Analysis	NA	6	NA				
	ECONOMICS	SEC-1	Managerial Economics	6	2	12	2018			
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	5	6	30	2019	5.33	6.00	Q
	ECONOMICS	CC-9	Statistics-II	6	6	36	2019			
	ECONOMICS	CC-10	Development Economics	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	7	6	42	2020			
	ECONOMICS	SEC-2	Basic Computer Applications	9	2	18	2019			
V	ECONOMICS	CC-11	International Economics	5	6	30	2019	6.25	6.25	Q
	ECONOMICS	CC-12	Money and Banking	7	6	42	2019			
	ECONOMICS	DSE-1	Rural Development	7	6	42	2019			
	ECONOMICS	DSE-2	Environmental Economics	6	6	36	2019			
VI	ECONOMICS	CC-13	Basic Econometrics	8	6	48	2020	8.50	8.50	Q
	ECONOMICS	CC-14	Field Survey & Project Report	9	6	54	2020			
	ECONOMICS	DSE-3	Political Economy	8	6	48	2020			
	ECONOMICS	DSE-4	Entrepreneurship Development	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RITWIK CHAKRABORTY   **Honours: PHYSICS**   **Roll No. 170310400084**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	6	6	36	2017	5.50	5.73	Q
	PHYSICS	CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.50	6.60	Q
	PHYSICS	CC-4	Waves and Optics	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2018	8.00	7.15	Q
	PHYSICS	CC-6	Thermal Physics	7	6	42	2018			
	PHYSICS	CC-7	Digital Systems and Applications	8	6	48	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	6.33	6.46	Q
	PHYSICS	CC-9	Elements of Modern Physics	6	6	36	2019			
	PHYSICS	CC-10	Analog Systems & Applications	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2019	7.25	7.25	Q
	PHYSICS	CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2019			
	PHYSICS	DSE-2	Classical Dynamics	5	6	30	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.75	8.75	Q
	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.17	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.01		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SHAYANTI PATHAK　　　　**Honours: ZOOLOGY**　　　**Roll No. 170310400100**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2017			
		CC-2	Ecology	8	6	48	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2017	7.50	6.55	Q
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018			
		CC-4	Cell Biology	6	6	36	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	6	6	36	2018	7.00	6.80	Q
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018			
		CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
		CC-7	Fundamentals of Biochemistry	7	6	42	2018	6.67	6.69	Q
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019			
		CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2019			
		CC-10	Immunology	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019	6.00	6.62	Q
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2019			
		CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019	7.25	7.25	Q
		DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	7	6	42	2020			
		CC-14	Evolutionary Biology	7	6	42	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2020	7.00	7.00	Q
		DSE-4	Reproductive Biology	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.89	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.82		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHAJIT BASU   **Honours: MATHEMATICS**   **Roll No. 170310400115**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	5.18	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.00	5.40	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.69	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	5.67	5.77	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019	5.50	5.50	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.22	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.20	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}} (G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}} (V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TANAY ATA   **Honours: MATHEMATICS**   **Roll No. 170310400128**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	5.64	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2017			
	ELECTRONICS	GE-1	Electronic Circuits and PCB Designing	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.50	7.60	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	ELECTRONICS	GE-2	Practical Electronics	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	6.67	6.77	Q
	MATHEMATICS	CC-6	Group Theory I	8	6	48	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.67	5.92	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	5.50	5.50	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.56	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.80		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TITHI DAS   **Honours: MATHEMATICS**   **Roll No. 170310400129**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017			SNC
	MATHEMATICS	CC-2	Algebra	NA	6	NA				
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.00	5.10	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.92	Q
	MATHEMATICS	CC-6	Group Theory I	7	6	42	2018			
	MATHEMATICS	CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019			SNC
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	NA	6	NA				
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	4.25	4.25	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades				Result Codes:
CC – Core Course		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective		9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective		8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course		7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course		6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BOZRUL ALAM MOLLA   **Honours: PHYSICS**   **Roll No. 170311000015**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.00	5.64	Q
		CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.50	5.90	Q
		CC-4	Waves and Optics	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	5.67	5.69	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	5	2	10	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	5.67	6.08	Q
		CC-9	Elements of Modern Physics	6	6	36	2019			
		CC-10	Analog Systems & Applications	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2019			SNC
		CC-12	Solid State Physics	5	6	30	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.00	8.00	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
Course Types :	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PRASAD GHOSH　　　　**Honours: MATHEMATICS**　　　**Roll No. 170311000040**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2017	6.00	6.55	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	6.50	6.70	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.62	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.33	4.77	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	:	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses	:		

Date of Publication of Result : 29.10.2020

$$SGPA \ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}} (G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}} (V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RINTU SAHA　　　　　　**Honours: PHYSICS**　　　**Roll No. 170311000051**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017	7.50	7.00	Q
		CC-2	Mechanics	8	6	48	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2018	7.50	7.60	Q
		CC-4	Waves and Optics	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	7.67	7.69	Q
		CC-6	Thermal Physics	7	6	42	2018			
		CC-7	Digital Systems and Applications	9	6	54	2018			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2019	8.33	8.08	Q
		CC-9	Elements of Modern Physics	8	6	48	2019			
		CC-10	Analog Systems & Applications	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2019	7.50	7.50	Q
		CC-12	Solid State Physics	8	6	48	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2019			
		DSE-2	Classical Dynamics	6	6	36	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	10	6	60	2020	9.75	9.75	Q
		CC-14	Statistical Mechanics	10	6	60	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2020			
		DSE-4	Astronomy and Astrophysics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　: 8.17	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　: 7.96		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:	
CC – Core Course		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective		9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective		8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course		7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course		6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUMEN KHAN   **Honours: MATHEMATICS**   **Roll No. 170311000071**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.50	5.45	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.50	5.90	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.38	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.33	5.38	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}}V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}}V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
Course Types :	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course					
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUMYADIP SINGHA   **Honours: MATHEMATICS**   **Roll No. 170311000076**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	4.91	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	6.50	6.70	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.38	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.00	4.77	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕ 10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SRINANTI ROY   **Honours: MATHEMATICS**   **Roll No. 170311000080**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.00	5.91	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	8.00	8.00	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	6.08	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.67	5.92	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHODIP GAYEN   **Honours: MATHEMATICS**   **Roll No. 170311000086**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.50	6.55	Q
		CC-2	Algebra	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	6.50	6.60	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.67	5.62	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.33	5.38	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
Course Types :	**CGPA**	**Letter Grade**	**CGPA**	**Letter Grade**	Q - Qualified
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AMALENDU BISWAS   **Honours: ZOOLOGY**   **Roll No. 170311100005**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	8.00	7.27	Q
	ZOOLOGY	CC-2	Ecology	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	7.00	7.00	Q
	ZOOLOGY	CC-4	Cell Biology	7	6	42	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	7.33	7.00	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	6.67	6.46	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
	ZOOLOGY	CC-10	Immunology	7	6	42	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	6	2	12	2019			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2019	7.25	7.25	Q
	ZOOLOGY	CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	8.50	8.50	Q
	ZOOLOGY	CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.24		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARNAB PAL   **Honours: MATHEMATICS**   **Roll No. 170311100014**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	5.73	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	6.00	6.90	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018	6.00	6.46	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	6.67	6.85	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	5.75	5.75	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.89	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.92	Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BAPAN MONDAL   **Honours: MATHEMATICS**   **Roll No. 170311100022**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	5.09	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.00	4.90	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	6.38	Q
	MATHEMATICS	CC-6	Group Theory I	8	6	48	2018			
	MATHEMATICS	CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.33	5.23	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
	MATHEMATICS	DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BHASKAR KONER　　　　**Honours: MATHEMATICS**　　　　**Roll No. 170311100024**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	4.82	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.00	5.70	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	5.33	5.85	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.33	5.08	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DIPENDU NANDI   **Honours: MATHEMATICS**   **Roll No. 170311100030**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.00	5.80	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.67	5.77	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	5.67	6.23	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019	5.50	5.50	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Differential Geometry	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.33	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.38		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: JALALUDDIN SEIKH　　　　**Honours: MATHEMATICS**　　　　**Roll No. 170311100033**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	NA	6	NA				SNC
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	6.10	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	4.67	4.92	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.00	5.46	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	NA	6	NA				SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

Anindya Jyoti Pal
Controller of Examinations

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KOYEL HAZRA   **Honours: PHYSICS**   **Roll No. 170311100038**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017	7.00	6.73	Q
		CC-2	Mechanics	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.00	6.30	Q
		CC-4	Waves and Optics	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	7.00	6.46	Q
		CC-6	Thermal Physics	6	6	36	2018			
		CC-7	Digital Systems and Applications	8	6	48	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	6.00	6.38	Q
		CC-9	Elements of Modern Physics	6	6	36	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2019			SNC
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.50	7.50	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MONALISA YASMIN **Honours: MATHEMATICS** **Roll No. 170311100043**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	4.82	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	5.50	6.00	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	5.67	5.77	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	5.67	5.92	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.75	5.75	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.44	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.35	Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PARNA GHOSH   **Honours: MATHEMATICS**   **Roll No. 170311100050**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2019	5.50	5.64	Q
		CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	6.30	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	COMPUTER SCIENCE	GE-2	Database Management Systems	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	6.00	6.15	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	6.33	6.85	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.75	6.75	Q
		CC-12	Mechanics I	7	6	42	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.89	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.93		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PRIYANKA MUKHERJEE   **Honours: CHEMISTRY**   **Roll No. 170311100057**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2017	7.00	6.00	Q
		CC-2	Physical Chemistry-I	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2018	6.50	6.80	Q
		CC-4	Organic Chemistry-II	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2018	6.67	6.00	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2018			
		CC-7	Organic Chemistry-III	5	6	30	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	6	2	12	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2019	5.67	5.77	Q
		CC-9	Inorganic Chemistry-III	7	6	42	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2019	6.25	6.25	Q
		CC-12	Organic Chemistry-V	7	6	42	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	5	6	30	2019			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2020	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2020			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2020			
		DSE-4	Inorganic Materials of Industrial Importance	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.94	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.62		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RAHUL TAPADAR   **Honours: MATHEMATICS**   **Roll No. 170311100058**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	5.91	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	5.50	6.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	5.67	6.23	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	6.23	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

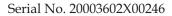| Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective					
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9		**Percentage Conversion Formula:**
70% and above but below 80%	8	60% and above but below 70%	7		= (SGPA or CGPA ✕10) - 5.0
50% and above but below 60%	6	40% and above but below 50%	5		*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SHYAM PRASAD THAKUR   **Honours: MATHEMATICS**   **Roll No. 170311100071**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017			SNC
		CC-2	Algebra	NA	6	NA				
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	6.10	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018	6.00	6.31	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	8.00	7.54	Q
		CC-9	Multivariate Calculus	7	6	42	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.75	5.75	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SNEHASISH BHATTACHARYA   **Honours: MATHEMATICS**   **Roll No. 170311100073**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	5.50	5.18	Q
		CC-2	Algebra	4	6	24	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.00	5.80	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	4.67	4.92	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	6.00	5.85	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :		Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :			

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

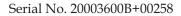**Percentage Conversion Formula:**

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUMYA MUKHOPADHYAY   **Honours: MATHEMATICS**   **Roll No. 170311100079**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2019	4.50	4.91	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	6.00	7.10	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	COMPUTER SCIENCE	GE-2	Database Management Systems	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	6.23	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.33	6.00	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.75	6.75	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	9	6	54	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.72	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.79		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHRA SANKHA BISWAS   **Honours: MATHEMATICS**   **Roll No. 170311100089**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.50	5.91	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	6.00	7.00	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.67	5.77	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.67	6.46	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	6.50	6.50	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	9	6	54	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Differential Geometry	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.78	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.89		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARPITA ROY   **Honours: MATHEMATICS**   **Roll No. 170311200023**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2017	7.50	7.27	Q
		CC-2	Algebra	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2018	9.00	8.60	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	7.33	7.46	Q
		CC-6	Group Theory I	9	6	54	2018			
		CC-7	Numerical Methods	9	6	54	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	8.33	8.62	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2019			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	8.00	8.00	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.44
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.32

Letter Grade in CGPA : A+   Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$
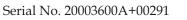
Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ATANU GHOSH   **Honours: PHYSICS**   **Roll No. 170311200028**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2017	8.50	8.09	Q
	PHYSICS	CC-2	Mechanics	9	6	54	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2018	8.00	7.90	Q
	PHYSICS	CC-4	Waves and Optics	8	6	48	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	10	6	60	2018	8.67	8.31	Q
	PHYSICS	CC-6	Thermal Physics	8	6	48	2018			
	PHYSICS	CC-7	Digital Systems and Applications	8	6	48	2018			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2019	9.33	9.15	Q
	PHYSICS	CC-9	Elements of Modern Physics	9	6	54	2019			
	PHYSICS	CC-10	Analog Systems & Applications	10	6	60	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2019	7.75	7.75	Q
	PHYSICS	CC-12	Solid State Physics	8	6	48	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2019			
	PHYSICS	DSE-2	Classical Dynamics	7	6	42	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	10	6	60	2020	9.50	9.50	Q
	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.67	Letter Grade in CGPA : A+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.48	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA \; (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBLINA SARKAR   **Honours: MATHEMATICS**   **Roll No. 170311200038**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2017	8.00	7.55	Q
		CC-2	Algebra	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2018	9.50	9.30	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	7.67	7.92	Q
		CC-6	Group Theory I	9	6	54	2018			
		CC-7	Numerical Methods	9	6	54	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	9.00	8.62	Q
		CC-9	Multivariate Calculus	8	6	48	2019			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2019	8.50	8.50	Q
		CC-12	Mechanics I	7	6	42	2019			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2019			
		DSE-2	Probability & Statistics	9	6	54	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.83	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.63		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DIPANWITA SAHA   **Honours: MATHEMATICS**   **Roll No. 170311200045**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2017	7.00	7.27	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	6.00	6.90	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	6.00	6.31	Q
	MATHEMATICS	CC-6	Group Theory I	7	6	42	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	7.67	7.69	Q
	MATHEMATICS	CC-9	Multivariate Calculus	7	6	42	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	7.00	7.00	Q
	MATHEMATICS	CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.44	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.49		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RAJESH GHOSH　　　　**Honours: MATHEMATICS**　　　　**Roll No. 170311200086**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2017	7.00	6.36	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	8.00	7.70	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.67	6.31	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	8.00	7.69	Q
		CC-9	Multivariate Calculus	7	6	42	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	6.50	6.50	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　: 7.61	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　: 7.42		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ROUSHANA FIRDOUS   **Honours: MATHEMATICS**   **Roll No. 170311200095**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	5.00	5.73	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	8.00	8.10	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	7.00	7.00	Q
		CC-6	Group Theory I	8	6	48	2018			
		CC-7	Numerical Methods	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	7.67	7.69	Q
		CC-9	Multivariate Calculus	7	6	42	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	8.25	8.25	Q
		CC-12	Mechanics I	8	6	48	2019			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.94	Letter Grade in CGPA : A
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.80	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕ 10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SABYASACHI PAL　　　　　**Honours: ZOOLOGY**　　　　**Roll No. 170311200099**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA CCs & DSEs	SGPA All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2017	7.00	7.00	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2018	6.00	7.20	Q
	ZOOLOGY	CC-4	Cell Biology	6	6	36	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2018	8.33	8.08	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	9	6	54	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Sericulture	9	2	18	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.67	7.85	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	8.00	8.00	Q
	ZOOLOGY	CC-12	Genetics	9	6	54	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
	ZOOLOGY	DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　: 7.89	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　: 7.89		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Arindya Jyoti Pal
Controller of Examinations

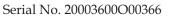| Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SAYAK MONDAL   **Honours: MATHEMATICS**   **Roll No. 170311200117**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	8.00	7.55	Q
		CC-2	Algebra	9	6	54	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	8.50	8.40	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	6.33	6.77	Q
		CC-6	Group Theory I	8	6	48	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	7.00	7.23	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	7.00	7.00	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs   : 7.83
CGPA (Cumulative Grade Point Average) on the basis of All Courses   : 7.79

Letter Grade in CGPA : A   Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:	
CC – Core Course		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective		9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective		8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course		7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course		6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕ 10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN

B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SHANTANU GHOSH   **Honours: ZOOLOGY**   **Roll No. 170311200120**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2017	9.50	9.36	Q
	ZOOLOGY	CC-2	Ecology	10	6	60	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2018	9.00	8.80	Q
	ZOOLOGY	CC-4	Cell Biology	9	6	54	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2018	9.00	9.08	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	9	6	54	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2018			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	8.67	8.62	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2019			
	ZOOLOGY	CC-10	Immunology	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	10	2	20	2019			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2019	9.00	9.00	Q
	ZOOLOGY	CC-12	Genetics	9	6	54	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2019			
	ZOOLOGY	DSE-2	Parasitology	9	6	54	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.75	9.75	Q
	ZOOLOGY	CC-14	Evolutionary Biology	10	6	60	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
	ZOOLOGY	DSE-4	Endocrinology	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.17	Letter Grade in CGPA : O	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.10		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SK SOHEL   **Honours: MATHEMATICS**   **Roll No. 170311200128**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	5.00	5.18	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.67	5.62	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2019			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.33	6.31	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n} (G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N} (V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOMDATTA ROY   **Honours: MATHEMATICS**   **Roll No. 170311200129**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	5.00	5.45	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	6.33	6.54	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	5.85	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	5.25	5.25	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.72	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.70	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOMNATH SAMANTA   **Honours: ZOOLOGY**   **Roll No. 170311200131**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	5	6	30	2017	5.50	6.18	Q
	ZOOLOGY	CC-2	Ecology	6	6	36	2017			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2018	5.00	6.10	Q
	ZOOLOGY	CC-4	Cell Biology	5	6	30	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	5.33	5.85	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	5	6	30	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Sericulture	7	2	14	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2019	4.33	4.77	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	4	6	24	2019			
	ZOOLOGY	CC-10	Immunology	4	6	24	2019			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	5	6	30	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2019	6.00	6.00	Q
	ZOOLOGY	CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.11	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.30		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n}V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N}V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUMILI GHOSH   **Honours: ZOOLOGY**   **Roll No. 170311200136**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	8.50	8.09	Q
	ZOOLOGY	CC-2	Ecology	9	6	54	2017			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	8.00	8.40	Q
	ZOOLOGY	CC-4	Cell Biology	8	6	48	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2018	8.67	8.85	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	9	6	54	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2018			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.67	7.62	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
	ZOOLOGY	CC-10	Immunology	7	6	42	2019			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	7	6	42	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	8.25	8.25	Q
	ZOOLOGY	CC-12	Genetics	9	6	54	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2020	9.25	9.25	Q
	ZOOLOGY	CC-14	Evolutionary Biology	10	6	60	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.44	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.41		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUVENDU DUTTA   **Honours: MATHEMATICS**   **Roll No. 170311200162**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.50	6.18	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	6.50	7.30	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	6.08	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.67	5.15	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: INDRANI CHOUDHURY **Honours: COMPUTER SCIENCE** **Roll No. 170311600059**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	7	6	42	2017	7.00	6.27	Q
		CC-2	Computer System Architecture	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	7.00	6.40	Q
		CC-4	Discrete Structure	7	6	42	2018			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	6.33	6.23	Q
		CC-6	Operating Systems	8	6	48	2018			
		CC-7	Computer Networks	6	6	36	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	7.00	7.38	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	8	6	48	2019			
	STATISTICS	GE-4	Applied Statistics	8	6	48	2019			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	7.75	7.75	Q
		CC-12	Theory of Computation	8	6	48	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Data Mining	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.24		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

					Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9		= (SGPA or CGPA ✕10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		*Letter Grade in CGPA is awarded on the basis of CCs and DSEs
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MEGHA DAS **Honours: ECONOMICS** **Roll No. 170311600079**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ECONOMICS	CC-1	Introductory Microeconomics	6	6	36	2017	6.00	5.64	Q
	ECONOMICS	CC-2	Statistics-I	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ECONOMICS	CC-3	Introductory Macroeconomics	8	6	48	2018	6.00	5.50	Q
	ECONOMICS	CC-4	Mathematical Economics-I	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	ECONOMICS	CC-5	Intermediate Microeconomics	5	6	30	2018	5.00	5.31	Q
		CC-6	Intermediate Macroeconomics	4	6	24	2018			
		CC-7	Mathematical Economics -II	6	6	36	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	6	6	36	2018			
	ECONOMICS	SEC-1	Managerial Economics	6	2	12	2018			
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	7	6	42	2020	5.67	6.31	Q
		CC-9	Statistics-II	5	6	30	2019			
		CC-10	Development Economics	5	6	30	2019			
	STATISTICS	GE-4	Applied Statistics	7	6	42	2019			
	ECONOMICS	SEC-2	Basic Computer Applications	10	2	20	2019			
V	ECONOMICS	CC-11	International Economics	4	6	24	2019	5.25	5.25	Q
		CC-12	Money and Banking	6	6	36	2019			
	ECONOMICS	DSE-1	Rural Development	5	6	30	2019			
		DSE-2	Public Economics	6	6	36	2019			
VI	ECONOMICS	CC-13	Basic Econometrics	9	6	54	2020	8.75	8.75	Q
		CC-14	Field Survey & Project Report	9	6	54	2020			
	ECONOMICS	DSE-3	Political Economy	8	6	48	2020			
		DSE-4	Financial Economics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.22	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.14		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PAYEL DUTTA   **Honours: CHEMISTRY**   **Roll No. 170311600101**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2017	6.50	6.45	Q
		CC-2	Physical Chemistry-I	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2018	7.00	7.00	Q
		CC-4	Organic Chemistry-II	7	6	42	2018			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2018	7.00	7.15	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2018			
		CC-7	Organic Chemistry-III	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	6	6	36	2019	6.33	6.46	Q
		CC-9	Inorganic Chemistry-III	7	6	42	2019			
		CC-10	Organic Chemistry - IV	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2019	7.50	7.50	Q
		CC-12	Organic Chemistry-V	6	6	36	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	8	6	48	2019			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2020	8.75	8.75	Q
		CC-14	Physical Chemistry-IV	8	6	48	2020			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2020			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.33	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.23		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RIYA BAIRAGYA   **Honours: NUTRITION**   **Roll No. 170311600122**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	NUTRITION	CC-1	Nutritional Physiology-I	9	6	54	2017	9.00	7.82	Q
	NUTRITION	CC-2	Nutritional Aspect of Food Items	9	6	54	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2018	9.00	8.40	Q
	NUTRITION	CC-4	Physiological Aspect of Nutrition	9	6	54	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2018	9.00	9.00	Q
	NUTRITION	CC-6	Nutrition: Life Cycle Approach	9	6	54	2018			
	NUTRITION	CC-7	Diet Therapy - I	9	6	54	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2018			
	NUTRITION	SEC-1	Technology of Fruits and Vegetables	9	2	18	2018			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2019	9.00	9.00	Q
	NUTRITION	CC-9	Community Nutrition and Epidemiology	9	6	54	2019			
	NUTRITION	CC-10	Diet Therapy-II	9	6	54	2019			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2019			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2019			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	10	6	60	2019	9.75	9.75	Q
	NUTRITION	CC-12	Medical Microbiology and Pathology	10	6	60	2019			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	10	6	60	2019			
	NUTRITION	DSE-2	Molecular Biology	9	6	54	2019			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	10	6	60	2020	10.00	10.00	Q
	NUTRITION	CC-14	Food Safety and Food Standard	10	6	60	2020			
	NUTRITION	DSE-3	Concept of Research and Health Management	10	6	60	2020			
	NUTRITION	DSE-4	Food Spoilage and Food Preservation	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.39	Letter Grade in CGPA : O	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.03		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Arindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q - Qualified
GE – Generic Elective					SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:
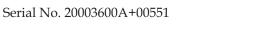
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SAYANI REJ **Honours: ECONOMICS** **Roll No. 170311600141**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ECONOMICS	CC-1	Introductory Microeconomics	4	6	24	2017	4.50	4.64	Q
		CC-2	Statistics-I	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ECONOMICS	CC-3	Introductory Macroeconomics	7	6	42	2018	5.50	5.20	Q
		CC-4	Mathematical Economics-I	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	ECONOMICS	CC-5	Intermediate Microeconomics	NA	6	NA				SNC
		CC-6	Intermediate Macroeconomics	4	6	24	2018			
		CC-7	Mathematical Economics -II	5	6	30	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	5	6	30	2018			
	ECONOMICS	SEC-1	Managerial Economics	6	2	12	2018			
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	7	6	42	2020	5.33	5.77	Q
		CC-9	Statistics-II	4	6	24	2019			
		CC-10	Development Economics	5	6	30	2019			
	STATISTICS	GE-4	Applied Statistics	6	6	36	2019			
	ECONOMICS	SEC-2	Basic Computer Applications	9	2	18	2019			
V	ECONOMICS	CC-11	International Economics	4	6	24	2019	4.75	4.75	Q
		CC-12	Money and Banking	5	6	30	2019			
	ECONOMICS	DSE-1	Rural Development	6	6	36	2019			
		DSE-2	Public Economics	4	6	24	2019			
VI	ECONOMICS	CC-13	Basic Econometrics	7	6	42	2020	7.00	7.00	Q
		CC-14	Field Survey & Project Report	6	6	36	2020			
	ECONOMICS	DSE-3	Political Economy	7	6	42	2020			
		DSE-4	Financial Economics	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :
CGPA (Cumulative Grade Point Average) on the basis of All Courses :	Result : PNC

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SREEJA SARKAR   **Honours: BOTANY**   **Roll No. 170311600168**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2017			
	BOTANY	CC-2	Archegoniatae	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017	7.50	7.09	Q
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2018			
	BOTANY	CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018	7.50	7.30	Q
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2018			
	BOTANY	CC-6	Plant Systematics	9	6	54	2018			
	BOTANY	CC-7	Economic Botany	9	6	54	2018	9.00	8.38	Q
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2018			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2018			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2019			
	BOTANY	CC-9	Biomolecules and Cell Biology	9	6	54	2019			
	BOTANY	CC-10	Molecular Biology	9	6	54	2019	9.00	8.92	Q
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2019			
	BOTANY	SEC-2	Herbal Technology	8	2	16	2019			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2019			
	BOTANY	CC-12	Plant Metabolism	9	6	54	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2019	8.50	8.50	Q
	BOTANY	DSE-2	Bioinformatics	8	6	48	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2020			
	BOTANY	CC-14	Plant Biotechnology	9	6	54	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2020	8.75	8.75	Q
	BOTANY	DSE-4	Industrial and Environmental Microbiology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.50	Letter Grade in CGPA : A+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.21	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SURABHI GHOSH   **Honours: ZOOLOGY**   **Roll No. 170311600184**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	7.50	7.73	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	7.50	7.90	Q
	ZOOLOGY	CC-4	Cell Biology	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2018	7.00	7.08	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.67	7.92	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	8	6	48	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	10	2	20	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	7.50	7.50	Q
	ZOOLOGY	CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	8.50	8.50	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.67	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.76		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

Serial No. 20003600A+00579

B.Sc. (Honours) Semester VI

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TAMANNA PARVEEN   **Honours: ZOOLOGY**   **Roll No. 170311600197**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2017	9.00	8.27	Q
	ZOOLOGY	CC-2	Ecology	9	6	54	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	7.50	7.20	Q
	ZOOLOGY	CC-4	Cell Biology	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2018	8.67	8.69	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	9	6	54	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	8.00	8.38	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
	ZOOLOGY	CC-10	Immunology	8	6	48	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	10	2	20	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	8.25	8.25	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
	ZOOLOGY	DSE-2	Parasitology	9	6	54	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	10	6	60	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.44	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.34		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: IMAN KALYAN THAKUR   **Honours: MATHEMATICS**   **Roll No. 170311700010**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	6.27	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.50	7.70	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	6.23	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	8	6	48	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	6.46	Q
	MATHEMATICS	CC-9	Multivariate Calculus	6	6	36	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :	Letter Grade in CGPA :	Result : PNC

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MOUSAM ASH   **Honours: COMPUTER SCIENCE**   **Roll No. 170311700017**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2017	6.00	5.45	Q
	COMPUTER SCIENCE	CC-2	Computer System Architecture	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	6.00	7.00	Q
	COMPUTER SCIENCE	CC-4	Discrete Structure	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2018	6.00	5.92	Q
	COMPUTER SCIENCE	CC-6	Operating Systems	7	6	42	2018			
	COMPUTER SCIENCE	CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	7.00	7.00	Q
	COMPUTER SCIENCE	CC-9	Software Engineering	7	6	42	2019			
	COMPUTER SCIENCE	CC-10	Database Management System	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.00	6.00	Q
	COMPUTER SCIENCE	CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
	COMPUTER SCIENCE	DSE-2	Numerical Methods	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2020	10.00	10.00	Q
	COMPUTER SCIENCE	CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
	COMPUTER SCIENCE	DSE-4	Project Work / Dissertation	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.90		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :					Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBJOTI DEY   **Honours: PHYSICS**   **Roll No. 170311800012**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.50	5.64	Q
	PHYSICS	CC-2	Mechanics	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2018	6.00	6.00	Q
	PHYSICS	CC-4	Waves and Optics	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2018	7.00	7.23	Q
	PHYSICS	CC-6	Thermal Physics	6	6	36	2018			
	PHYSICS	CC-7	Digital Systems and Applications	7	6	42	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	8	6	48	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.00	6.08	Q
	PHYSICS	CC-9	Elements of Modern Physics	5	6	30	2019			
	PHYSICS	CC-10	Analog Systems & Applications	5	6	30	2019			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	9	6	54	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019			SNC
	PHYSICS	CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
	PHYSICS	DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	9.50	9.50	Q
	PHYSICS	CC-14	Statistical Mechanics	10	6	60	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

Anindya Jyoti Pal
Controller of Examinations

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOURAV GHOSH **Honours: MATHEMATICS** **Roll No. 170311800047**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	5.27	Q
		CC-2	Algebra	4	6	24	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	6.00	6.00	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.67	6.00	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.67	5.46	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.25	5.25	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Bio Mathematics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.11	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.25		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n}V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N}V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course					
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUMITA BISWAS   **Honours: MATHEMATICS**   **Roll No. 170311800056**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.00	4.91	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.00	5.20	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.67	5.31	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.33	5.23	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Bio Mathematics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SWARUP KARMAKAR　　　　　**Honours: MATHEMATICS**　　　　**Roll No. 170311800060**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.18	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	5.60	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.00	5.08	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.33	5.15	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.50	5.50	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Bio Mathematics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.00	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.04	Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course					
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BIBHU PRASADDE   **Honours: MATHEMATICS**   **Roll No. 170312000011**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.00	5.64	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.50	7.50	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	6.33	6.46	Q
	MATHEMATICS	CC-6	Group Theory I	9	6	54	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	6.33	6.85	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2019	7.75	7.75	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	8.50	8.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	8	6	48	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.11	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.11		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN

B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KANU BHUSON DAS　　　　　**Honours: MATHEMATICS**　　　　**Roll No. 170312000018**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	4.91	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	4.50	5.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2019	5.67	5.77	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	5.67	5.77	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	5	6	30	2020	6.75	6.75	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
		DSE-4	Mechanics II	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :
CGPA (Cumulative Grade Point Average) on the basis of All Courses :	Result : PNC

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PRATYUSHA TA   **Honours: MATHEMATICS**   **Roll No. 170312000036**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2019	5.50	6.09	Q
		CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.00	5.10	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	6.33	6.54	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019	4.50	4.50	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2020	7.50	7.50	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

Anindya Jyoti Pal
Controller of Examinations

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Course Types :		CGPA Letter Grades			Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SANDIP KUNDU   **Honours: MATHEMATICS**   **Roll No. 170312000044**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.50	5.91	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.50	6.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	6.00	6.54	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019	4.75	4.75	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2020	7.50	7.50	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SANKAR PRASAD BANERJEE   **Honours: ZOOLOGY**   **Roll No. 170312000045**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017			
	ZOOLOGY	CC-2	Ecology	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017	8.00	7.73	Q
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2018			
	ZOOLOGY	CC-4	Cell Biology	7	6	42	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2018	8.00	8.10	Q
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2018			
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	9	6	54	2018	8.67	8.23	Q
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019			
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	7	6	42	2019	7.00	6.92	Q
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	6	2	12	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019			
	ZOOLOGY	CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019	7.50	7.50	Q
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020			
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.06	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.90		

Date of Publication of Result : 29.10.2020

$$SGPA \ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SANKHABRATA MEDDA **Honours: PHYSICS** **Roll No. 170312000047**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	6	6	36	2017	5.00	5.91	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	4.50	5.10	Q
		CC-4	Waves and Optics	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2018	5.00	5.23	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	5	6	30	2018			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	5	2	10	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	4.67	5.23	Q
		CC-9	Elements of Modern Physics	4	6	24	2019			
		CC-10	Analog Systems & Applications	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	5	2	10	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2019			SNC
		CC-12	Solid State Physics	NA	6	NA				
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Communication Systems	5	6	30	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.75	7.75	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SK INTAZ   **Honours: MATHEMATICS**   **Roll No. 170312000059**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	6.00	5.73	Q
		CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.00	5.80	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	6.33	6.69	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2020	7.50	7.50	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN

B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SK YASIN ALAM   **Honours: MATHEMATICS**   **Roll No. 170312000062**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	4.91	Q
		CC-2	Algebra	4	6	24	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	5.50	5.70	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	6.33	6.62	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	7.75	7.75	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUMANA MONDAL   **Honours: MATHEMATICS**   **Roll No. 170312000083**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.00	6.09	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.50	5.70	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.67	6.08	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.33	6.23	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.50	5.50	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.00	8.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	7	6	42	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.89	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.28		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

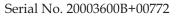|			
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANKITA DUTTA   **Honours: ZOOLOGY**   **Roll No. 170312200012**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	4	6	24	2017	5.00	5.82	Q
	ZOOLOGY	CC-2	Ecology	6	6	36	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2018	5.00	5.50	Q
	ZOOLOGY	CC-4	Cell Biology	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	6.00	5.92	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	5	6	30	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	5	6	30	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2019	5.67	6.08	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2019			
	ZOOLOGY	CC-10	Immunology	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.00	7.00	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
	ZOOLOGY	DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2020	8.50	8.50	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.50	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.49		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: APURBA CHANDRA　　　　　**Honours: MATHEMATICS**　　　**Roll No. 170312200015**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	6.50	6.64	Q
		CC-2	Algebra	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.92	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	6.00	6.77	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	STATISTICS	GE-4	Applied Statistics	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	5.75	5.75	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　: 6.78	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　: 6.94	Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARDHENDU KUNDU   **Honours: MATHEMATICS**   **Roll No. 170312200017**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	5.55	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.00	5.00	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.67	5.69	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	5.77	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	6.00	6.00	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.50	9.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.28	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.28		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕ 10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARITRA KONAR **Honours: MATHEMATICS** **Roll No. 170312200022**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	5.27	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	6.00	6.70	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.33	5.62	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	6.00	6.08	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	6.50	6.50	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.56	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.56		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: JIT GHOSH **Honours: PHYSICS** **Roll No. 170312200061**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2017	8.00	7.73	Q
	PHYSICS	CC-2	Mechanics	8	6	48	2017			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2018	7.00	7.00	Q
	PHYSICS	CC-4	Waves and Optics	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2018	7.67	7.31	Q
	PHYSICS	CC-6	Thermal Physics	7	6	42	2018			
	PHYSICS	CC-7	Digital Systems and Applications	8	6	48	2018			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2019	8.00	7.77	Q
	PHYSICS	CC-9	Elements of Modern Physics	7	6	42	2019			
	PHYSICS	CC-10	Analog Systems & Applications	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	6.25	6.25	Q
	PHYSICS	CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
	PHYSICS	DSE-2	Classical Dynamics	5	6	30	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.50	8.50	Q
	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.44		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n}V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N}V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOURAV MAN   **Honours: ECONOMICS**   **Roll No. 170312200157**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ECONOMICS	CC-1	Introductory Microeconomics	6	6	36	2017	6.50	6.82	Q
		CC-2	Statistics-I	7	6	42	2017			
	STATISTICS	GE-1	Statistical Methods	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ECONOMICS	CC-3	Introductory Macroeconomics	7	6	42	2018	6.50	6.20	Q
		CC-4	Mathematical Economics-I	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	ECONOMICS	CC-5	Intermediate Microeconomics	4	6	24	2018	4.67	5.00	Q
		CC-6	Intermediate Macroeconomics	5	6	30	2018			
		CC-7	Mathematical Economics -II	5	6	30	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	6	6	36	2018			
	ECONOMICS	SEC-1	Managerial Economics	5	2	10	2018			
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	5	6	30	2019	5.33	5.92	Q
		CC-9	Statistics-II	5	6	30	2019			
		CC-10	Development Economics	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	7	6	42	2019			
	ECONOMICS	SEC-2	Basic Computer Applications	8	2	16	2019			
V	ECONOMICS	CC-11	International Economics	5	6	30	2019	4.25	4.25	Q
		CC-12	Money and Banking	4	6	24	2019			
	ECONOMICS	DSE-1	Rural Development	4	6	24	2019			
		DSE-2	Public Economics	4	6	24	2019			
VI	ECONOMICS	CC-13	Basic Econometrics	8	6	48	2020	7.50	7.50	Q
		CC-14	Field Survey & Project Report	8	6	48	2020			
	ECONOMICS	DSE-3	Political Economy	8	6	48	2020			
		DSE-4	Entrepreneurship Development	6	6	36	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	: 5.72	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses	: 5.92		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :					Result Codes:	
CC – Core Course		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective		9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective		8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course		7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course		6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

					Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9		= (SGPA or CGPA ×10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUKANYA ROY　　　　**Honours: ZOOLOGY**　　　　**Roll No. 170312200184**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	7.50	7.45	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	8.00	7.70	Q
	ZOOLOGY	CC-4	Cell Biology	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	8.33	7.92	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	9	6	54	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	7.33	7.54	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
	ZOOLOGY	CC-10	Immunology	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.50	7.50	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
	ZOOLOGY	DSE-4	Endocrinology	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.00	Letter Grade in CGPA : A+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.86	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q - Qualified
GE – Generic Elective					SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AJIJUL HOSSAIN   **Honours: MATHEMATICS**   **Roll No. 170312400002**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2017	7.00	7.27	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.50	7.80	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.67	6.62	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	9	6	54	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	8.00	7.77	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.00	6.00	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.52		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n}V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N}V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARIJIT MOHANTA   **Honours: MATHEMATICS**   **Roll No. 170312400007**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.50	6.45	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	7.50	7.80	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.67	6.62	Q
		CC-6	Group Theory I	8	6	48	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	7.33	7.62	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	7.25	7.25	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.72	Letter Grade in CGPA : A
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.62	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SK SAZID ALI   **Honours: MATHEMATICS**   **Roll No. 170312400050**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	6.00	5.55	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.50	6.40	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.38	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.67	6.00	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	4.75	4.75	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.33	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.30		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOMNATH SOM   **Honours: NUTRITION**   **Roll No. 170312400052**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	NUTRITION	CC-1	Nutritional Physiology-I	7	6	42	2017	7.50	7.27	Q
		CC-2	Nutritional Aspect of Food Items	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	NUTRITION	CC-3	Nutritional Physiology-II	6	6	36	2018	7.00	7.00	Q
		CC-4	Physiological Aspect of Nutrition	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	NUTRITION	CC-5	Nutritional Biochemistry	7	6	42	2018	7.00	7.00	Q
		CC-6	Nutrition: Life Cycle Approach	7	6	42	2018			
		CC-7	Diet Therapy - I	7	6	42	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2018			
	NUTRITION	SEC-1	Technology of Fruits and Vegetables	7	2	14	2018			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	7	6	42	2019	7.00	6.69	Q
		CC-9	Community Nutrition and Epidemiology	7	6	42	2019			
		CC-10	Diet Therapy-II	7	6	42	2019			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	6	6	36	2019			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	6	2	12	2019			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2019	6.00	6.00	Q
		CC-12	Medical Microbiology and Pathology	7	6	42	2019			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2019			
		DSE-2	Molecular Biology	4	6	24	2019			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	8	6	48	2020	7.75	7.75	Q
		CC-14	Food Safety and Food Standard	8	6	48	2020			
	NUTRITION	DSE-3	Concept of Research and Health Management	8	6	48	2020			
		DSE-4	Food Spoilage and Food Preservation	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.00	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.94		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUVIK MONDAL   **Honours: MATHEMATICS**   **Roll No. 170312400054**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	5.27	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	6.50	7.00	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.00	4.77	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.67	5.85	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHABRATA BANERJEE   **Honours: MATHEMATICS**   **Roll No. 170312400055**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	6.00	5.91	Q
	MATHEMATICS	CC-2	Algebra	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	7.00	7.20	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.67	5.54	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	6.00	6.31	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	4.50	4.50	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.61	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.55		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕ 10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SURAJIT DAS   **Honours: MATHEMATICS**   **Roll No. 170312400060**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017			SNC
	MATHEMATICS	CC-2	Algebra	NA	6	NA				
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	6.00	6.50	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2019	4.33	4.54	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2018			
	MATHEMATICS	CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.67	5.38	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: JANMENJOY SARKAR　　　　**Honours: ZOOLOGY**　　　　**Roll No. 170313600004**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2017	7.50	8.00	Q
		CC-2	Ecology	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	7.00	7.80	Q
		CC-4	Cell Biology	6	6	36	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	6.67	6.92	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
		CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2018			
	ZOOLOGY	SEC-1	Sericulture	6	2	12	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.67	7.92	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
		CC-10	Immunology	8	6	48	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	10	2	20	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	8.00	8.00	Q
		CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2019			
		DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
		CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	9	6	54	2020			
		DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs ： 7.78	Letter Grade in CGPA : A
CGPA (Cumulative Grade Point Average) on the basis of All Courses ： 7.93	Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: NAHID NAZIA   **Honours: ZOOLOGY**   **Roll No. 170313600007**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2017	7.00	7.27	Q
	ZOOLOGY	CC-2	Ecology	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	6.00	7.30	Q
	ZOOLOGY	CC-4	Cell Biology	5	6	30	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	6.67	6.85	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2018			
	ZOOLOGY	SEC-1	Sericulture	5	2	10	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.33	7.92	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	7	6	42	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	10	2	20	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	8.00	8.00	Q
	ZOOLOGY	CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.73		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SAGAR KUMAR KOLEY   **Honours: PHYSICS**   **Roll No. 170313700007**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	6	6	36	2017	6.00	5.64	Q
		CC-2	Mechanics	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.00	5.70	Q
		CC-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	5.33	5.08	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.33	5.85	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2019			SNC
		CC-12	Solid State Physics	5	6	30	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.00	8.00	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Applied Dynamics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :		Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :			

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

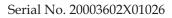| Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SANTU DUTTA　　　　**Honours: MATHEMATICS**　　　**Roll No. 170313700008**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	4.64	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	4.50	5.10	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.33	5.77	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOMNATH DUTTA   **Honours: MATHEMATICS**   **Roll No. 170313700009**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	4.50	5.00	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	5.67	6.08	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SURAJ CHATTERJEE　　　　　　**Honours: PHYSICS**　　　　**Roll No. 170313700013**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017	6.50	6.45	Q
		CC-2	Mechanics	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	6	6	36	2019	5.50	5.70	Q
		CC-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	4.67	4.62	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	5	6	30	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	5.67	6.08	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2019			SNC
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.50	8.50	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Applied Dynamics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　:	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　:		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			semesters not cleared]
AECC – Ability Enhancement Compulsory Course					NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ABHIJIT KARMAKAR   **Honours: MATHEMATICS**   **Roll No. 170330100001**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.50	7.50	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	6.08	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	6.00	6.54	Q
		CC-9	Multivariate Calculus	7	6	42	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	5.25	5.25	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.56	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.69		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBASISH ROY **Honours: MATHEMATICS** **Roll No. 170330100031**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.73	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	5.50	6.10	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.69	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.67	5.62	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RISHAV RAJ CHANDRA   **Honours: MATHEMATICS**   **Roll No. 170330100063**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.50	6.45	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	6.50	7.00	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	6.00	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	4.67	5.38	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	6.00	6.00	Q
	MATHEMATICS	CC-12	Mechanics I	7	6	42	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.56	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.77		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RITWIK DAS　　　　**Honours: MATHEMATICS**　　　**Roll No. 170330100064**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.50	6.18	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.00	6.10	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	4.67	5.38	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	7	6	42	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　:	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　:		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

Serial No. 20003602X01112

B.Sc. (Honours) Semester VI

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ABHINANDAN GHOSAL   **Honours: MATHEMATICS**   **Roll No. 170330300002**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.27	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.50	5.70	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	5.33	5.77	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.50	8.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AMARTYA SEN   **Honours: MATHEMATICS**   **Roll No. 170330300007**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017			
		CC-2	Algebra	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017	5.00	5.27	Q
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018			
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018	4.00	5.30	Q
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2019			
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	5	6	30	2018	4.67	5.08	Q
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019			
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019	4.67	5.08	Q
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019			
		CC-12	Mechanics I	NA	6	NA				SNC
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020			
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020	9.00	9.00	Q
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All semesters not cleared]
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARNAB NAG **Honours: ZOOLOGY** **Roll No. 170330300013**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	7.00	7.09	Q
		CC-2	Ecology	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	7.00	7.00	Q
		CC-4	Cell Biology	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	7.33	7.38	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
		CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Sericulture	9	2	18	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	6.33	7.15	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
		CC-10	Immunology	5	6	30	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.25	7.25	Q
		CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
		DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
		DSE-4	Endocrinology	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.39	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.45		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Arindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BHASKAR MONDAL **Honours: MATHEMATICS** **Roll No. 170330300024**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.50	7.09	Q
		CC-2	Algebra	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	8.00	7.80	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	7.00	6.92	Q
		CC-6	Group Theory I	9	6	54	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	6.33	6.69	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	6.25	6.25	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.28	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.31		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

				Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9	= (SGPA or CGPA ✕10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KASTURI RANA   **Honours: MATHEMATICS**   **Roll No. 170330300044**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.00	6.00	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	4.00	5.20	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	6.92	Q
	MATHEMATICS	CC-9	Multivariate Calculus	7	6	42	2020			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.00	9.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :
CGPA (Cumulative Grade Point Average) on the basis of All Courses :	Result : PNC

Date of Publication of Result : 29.10.2020

$$ \text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i} $$

Anindya Jyoti Pal
Controller of Examinations

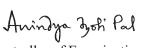| Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PRIYAJIT GHOSH   **Honours: MATHEMATICS**   **Roll No. 170330300065**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.00	5.55	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	5.50	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	7.00	7.08	Q
		CC-6	Group Theory I	8	6	48	2018			
		CC-7	Numerical Methods	8	6	48	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	6.33	6.46	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.25	5.25	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.61	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.61		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RAJIB GHOSH   **Honours: PHYSICS**   **Roll No. 170330300070**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	6	6	36	2017	5.50	6.09	Q
	PHYSICS	CC-2	Mechanics	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	4.50	5.30	Q
	PHYSICS	CC-4	Waves and Optics	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2018	7.00	6.54	Q
	PHYSICS	CC-6	Thermal Physics	6	6	36	2018			
	PHYSICS	CC-7	Digital Systems and Applications	7	6	42	2018			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2019	7.33	6.92	Q
	PHYSICS	CC-9	Elements of Modern Physics	8	6	48	2019			
	PHYSICS	CC-10	Analog Systems & Applications	7	6	42	2019			
	MATHEMATICS	GE-4	Algebra	6	6	36	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019	5.75	5.75	Q
	PHYSICS	CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
	PHYSICS	DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.00	8.00	Q
	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.56	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.48	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUMYADEEP DEY **Honours: MATHEMATICS** **Roll No. 170330300084**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.50	5.73	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	6.50	6.60	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.00	6.15	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

Anindya Jyoti Pal
Controller of Examinations

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUVICK GHOSH **Honours: MATHEMATICS** **Roll No. 170330300087**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	5.00	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	6.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.33	5.00	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.33	4.77	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :
CGPA (Cumulative Grade Point Average) on the basis of All Courses :	Result : PNC

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TANMOY GHOSH   **Honours: PHYSICS**   **Roll No. 170330300098**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	4	6	24	2017	4.50	4.91	Q
	PHYSICS	CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.00	5.00	Q
	PHYSICS	CC-4	Waves and Optics	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	6.00	5.77	Q
	PHYSICS	CC-6	Thermal Physics	5	6	30	2018			
	PHYSICS	CC-7	Digital Systems and Applications	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2019	6.33	6.46	Q
	PHYSICS	CC-9	Elements of Modern Physics	6	6	36	2019			
	PHYSICS	CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2019			SNC
	PHYSICS	CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
	PHYSICS	DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.00	8.00	Q
	PHYSICS	CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TRIDIB GHOSH   **Honours: MATHEMATICS**   **Roll No. 170330300099**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	5.50	5.27	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	5.00	5.30	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	5.67	5.85	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	6.67	6.38	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBABRATA SAHA   **Honours: MATHEMATICS**   **Roll No. 170330300108**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.50	5.45	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	6.00	6.30	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.85	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.33	5.69	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
	MATHEMATICS	DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
	MATHEMATICS	DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: GOUR GHOSH   **Honours: MATHEMATICS**   **Roll No. 170330400005**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	6.00	6.00	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.00	7.20	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	5.33	5.46	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.00	6.00	Q
	MATHEMATICS	CC-9	Multivariate Calculus	6	6	36	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.75	6.75	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Differential Geometry	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.87		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MIR RAHAMATULLA   **Honours: MATHEMATICS**   **Roll No. 170330400008**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	6.00	Q
		CC-2	Algebra	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	7.50	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018	7.00	6.92	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	7.00	6.92	Q
		CC-9	Multivariate Calculus	7	6	42	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.50	6.50	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	9	6	54	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Differential Geometry	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.27		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOURAV MONDAL   **Honours: MATHEMATICS**   **Roll No. 170330400015**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	5.00	5.91	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2018	8.50	8.70	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2018	7.67	7.38	Q
	MATHEMATICS	CC-6	Group Theory I	8	6	48	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2019	9.00	8.85	Q
	MATHEMATICS	CC-9	Multivariate Calculus	7	6	42	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	10	6	60	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	8.50	8.50	Q
	MATHEMATICS	CC-12	Mechanics I	8	6	48	2019			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	9	6	54	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Differential Geometry	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.39	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.24		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARINDAM MAHATA　　　　　**Honours: ZOOLOGY**　　　　**Roll No. 170330700010**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2017	6.00	6.73	Q
	ZOOLOGY	CC-2	Ecology	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2018	5.00	6.00	Q
	ZOOLOGY	CC-4	Cell Biology	4	6	24	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	6.67	6.62	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	5	2	10	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2019	4.67	5.38	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2019			
	ZOOLOGY	CC-10	Immunology	4	6	24	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2019			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2019	5.25	5.25	Q
	ZOOLOGY	CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
	ZOOLOGY	DSE-2	Parasitology	5	6	30	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	5	6	30	2020	6.25	6.25	Q
	ZOOLOGY	CC-14	Evolutionary Biology	6	6	36	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2020			
	ZOOLOGY	DSE-4	Endocrinology	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.67	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.03		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BHASKAR SAHA   **Honours: ZOOLOGY**   **Roll No. 170330700017**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	5	6	30	2017	5.50	5.91	Q
	ZOOLOGY	CC-2	Ecology	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2018	4.50	6.00	Q
	ZOOLOGY	CC-4	Cell Biology	4	6	24	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	6.67	6.31	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	ZOOLOGY	SEC-1	Apiculture	4	2	8	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2019	5.33	5.85	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
	ZOOLOGY	CC-10	Immunology	4	6	24	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2019			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2019	5.25	5.25	Q
	ZOOLOGY	CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
	ZOOLOGY	DSE-2	Parasitology	5	6	30	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2020	5.75	5.75	Q
	ZOOLOGY	CC-14	Evolutionary Biology	6	6	36	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	6	6	36	2020			
	ZOOLOGY	DSE-4	Endocrinology	5	6	30	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.56	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.85		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades				Result Codes:
CC – Core Course		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective		9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective		8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course		7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course		6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBIDAS PATRA   **Honours: ZOOLOGY**   **Roll No. 170330700023**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	5	6	30	2017	6.00	6.27	Q
		CC-2	Ecology	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2018	5.00	6.10	Q
		CC-4	Cell Biology	4	6	24	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	6.33	6.38	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
		CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	5	2	10	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2019	5.67	6.08	Q
		CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
		CC-10	Immunology	5	6	30	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2019			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2019	5.50	5.50	Q
		CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
		DSE-2	Parasitology	5	6	30	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2020	6.25	6.25	Q
		CC-14	Evolutionary Biology	6	6	36	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2020			
		DSE-4	Endocrinology	6	6	36	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.83	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.10		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades				Result Codes:
CC – Core Course		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective		9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective		8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course		7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course		6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KARUNAMOY DAS **Honours: ZOOLOGY** **Roll No. 170330700031**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	5	6	30	2017	6.00	6.27	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	4	6	24	2018	4.00	5.40	Q
	ZOOLOGY	CC-4	Cell Biology	4	6	24	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	6.33	6.15	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	ZOOLOGY	SEC-1	Apiculture	5	2	10	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2019	4.67	5.08	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2019			
	ZOOLOGY	CC-10	Immunology	4	6	24	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	6	2	12	2019			
V	ZOOLOGY	CC-11	Molecular Biology	4	6	24	2019	5.50	5.50	Q
	ZOOLOGY	CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	6	6	36	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	4	6	24	2020	5.00	5.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	5	6	30	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	6	6	36	2020			
	ZOOLOGY	DSE-4	Endocrinology	5	6	30	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs   : 5.28
CGPA (Cumulative Grade Point Average) on the basis of All Courses   : 5.56

Letter Grade in CGPA : B   Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SHREYA ROY   **Honours: ZOOLOGY**   **Roll No. 170330700065**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2017	7.00	7.00	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	6.50	7.20	Q
	ZOOLOGY	CC-4	Cell Biology	6	6	36	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	7.00	7.00	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2019	5.67	6.38	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
	ZOOLOGY	CC-10	Immunology	5	6	30	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.00	7.00	Q
	ZOOLOGY	CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	7	6	42	2020	7.25	7.25	Q
	ZOOLOGY	CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2020			
	ZOOLOGY	DSE-4	Endocrinology	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.78	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.96		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUJOY MONDAL   **Honours: ZOOLOGY**   **Roll No. 170330700083**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	5	6	30	2017	6.00	6.27	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	6.00	6.60	Q
	ZOOLOGY	CC-4	Cell Biology	5	6	30	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	7.00	6.31	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	ZOOLOGY	SEC-1	Apiculture	4	2	8	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2019	5.67	6.15	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
	ZOOLOGY	CC-10	Immunology	5	6	30	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2019	6.25	6.25	Q
	ZOOLOGY	CC-12	Genetics	6	6	36	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
	ZOOLOGY	DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2020	6.75	6.75	Q
	ZOOLOGY	CC-14	Evolutionary Biology	7	6	42	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2020			
	ZOOLOGY	DSE-4	Endocrinology	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.33	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.38		

Date of Publication of Result : 29.10.2020

$$SGPA \; (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BIKROM MONDAL   **Honours: ZOOLOGY**   **Roll No. 170330800020**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	4	6	24	2019	4.00	4.64	Q
		CC-2	Ecology	4	6	24	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2018	5.00	5.20	Q
		CC-4	Cell Biology	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2018	4.67	5.08	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2018			
		CC-7	Fundamentals of Biochemistry	4	6	24	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	5	6	30	2018			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2019	4.67	5.31	Q
		CC-9	Animal Physiology: Life Sustaining Systems	4	6	24	2019			
		CC-10	Immunology	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	6	2	12	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.25	7.25	Q
		CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
		DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2020	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
		DSE-4	Endocrinology	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.06	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.01		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BISWARANJAN BHANDARI   **Honours: MATHEMATICS**   **Roll No. 170330800022**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	6.00	5.73	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.67	6.00	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	6.23	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.50	5.50	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.78	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.76	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: JAYANTI DAS   **Honours: ZOOLOGY**   **Roll No. 170330800040**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2017	6.50	6.00	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	8.00	7.50	Q
	ZOOLOGY	CC-4	Cell Biology	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2018	8.00	8.31	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2018			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	8.00	7.85	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
	ZOOLOGY	CC-10	Immunology	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2019	8.50	8.50	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2020	9.75	9.75	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
	ZOOLOGY	DSE-4	Endocrinology	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.03

Letter Grade in CGPA : A+   Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			
AECC – Ability Enhancement Compulsory Course					NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHASIS MAL **Honours: MATHEMATICS** **Roll No. 170330800096**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.00	5.45	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	4.50	5.10	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	6.00	6.08	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.33	6.77	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUDIPTA MONDAL **Honours: MATHEMATICS** **Roll No. 170330800097**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.50	4.91	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	5.50	6.00	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.67	6.00	Q
	MATHEMATICS	CC-6	Group Theory I	7	6	42	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.00	6.23	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	4.75	4.75	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2020	9.00	9.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.11	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.17		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PINKI DUTTA   **Honours: PHYSICS**   **Roll No. 170330900029**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.00	6.00	Q
		CC-2	Mechanics	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	4.50	5.10	Q
		CC-4	Waves and Optics	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	5.00	4.85	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.33	5.77	Q
		CC-9	Elements of Modern Physics	6	6	36	2019			
		CC-10	Analog Systems & Applications	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	7	6	42	2020			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2019			SNC
		CC-12	Solid State Physics	5	6	30	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.25	8.25	Q
		CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n}V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N}V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SAMIUL ALIM　　　　**Honours: MATHEMATICS**　　　**Roll No. 170330900043**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.00	5.36	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	5.50	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.33	5.31	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.33	4.85	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	4.50	4.50	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.67	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.79		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SHANKHACHUR GHOSH **Honours: MATHEMATICS** **Roll No. 170330900046**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.00	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	5.70	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.67	4.92	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.33	4.85	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019	5.00	5.00	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.67	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.79		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ABDUL RUSSEL SARKAR　　　　**Honours: MATHEMATICS**　　　　**Roll No. 170331000001**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	5.50	5.64	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	4.50	4.90	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.67	5.23	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.00	5.62	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	5.75	5.75	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　　: 6.22	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　　: 6.21	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN

B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ADITYA DAS   **Honours: MATHEMATICS**   **Roll No. 170331000005**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.00	5.18	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	7.00	6.80	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.67	5.92	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.00	5.62	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	5.75	5.75	Q
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.61	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.54		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n}V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N}V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AGAMONI SAHA   **Honours: MATHEMATICS**   **Roll No. 170331000006**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.50	6.18	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.50	6.00	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.00	5.38	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.67	4.92	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	4	6	24	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN

B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANJAN DAS   **Honours: MATHEMATICS**   **Roll No. 170331000013**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	6.50	6.45	Q
		CC-2	Algebra	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.50	6.00	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	4.67	5.08	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.67	5.62	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.00	6.00	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.44	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.51	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARIJIT PAL   **Honours: MATHEMATICS**   **Roll No. 170331000020**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.50	5.64	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.50	6.60	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	5.92	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	6.00	6.54	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	:	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses	:		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: CHUMKI DEY   **Honours: MATHEMATICS**   **Roll No. 170331000036**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2017	8.00	7.36	Q
	MATHEMATICS	CC-2	Algebra	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2018	8.50	8.20	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018	7.67	7.54	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	10	6	60	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2019	8.33	8.15	Q
	MATHEMATICS	CC-9	Multivariate Calculus	7	6	42	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	8.50	8.50	Q
	MATHEMATICS	CC-12	Mechanics I	7	6	42	2019			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	9	6	54	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.61	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.30		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBANWITA GHATAK   **Honours: MATHEMATICS**   **Roll No. 170331000039**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	5.00	5.91	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2018	7.50	7.50	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2018	8.00	8.08	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	9	6	54	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	7.00	7.23	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	6.25	6.25	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.52		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}} (G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}} (V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DIBYENDU GHOSH   **Honours: MATHEMATICS**   **Roll No. 170331000042**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.00	5.18	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.50	5.70	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	6.33	6.00	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.33	6.00	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	6.00	6.00	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.67	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.51		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KRISHNENDU DAS **Honours: ZOOLOGY** **Roll No. 170331000054**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2017	8.50	7.82	Q
	ZOOLOGY	CC-2	Ecology	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	7.50	7.50	Q
	ZOOLOGY	CC-4	Cell Biology	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	7.33	7.31	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2019	7.00	7.31	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	8	6	48	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	6.75	6.75	Q
	ZOOLOGY	CC-12	Genetics	6	6	36	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	8.75	8.75	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.61	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.56		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

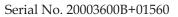*Anindya Jyoti Pal*
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KUNTAL ROY   **Honours: MATHEMATICS**   **Roll No. 170331000055**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2017	9.00	8.09	Q
	MATHEMATICS	CC-2	Algebra	9	6	54	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2018	8.00	8.20	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018	7.67	7.38	Q
	MATHEMATICS	CC-6	Group Theory I	7	6	42	2018			
	MATHEMATICS	CC-7	Numerical Methods	9	6	54	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	7.67	7.69	Q
	MATHEMATICS	CC-9	Multivariate Calculus	7	6	42	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2019	7.00	7.00	Q
	MATHEMATICS	CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.22	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.04		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: LOKNATH BAGDI   **Honours: MATHEMATICS**   **Roll No. 170331000056**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	5.00	5.50	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.67	5.31	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN

B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RIPAN MONDAL   **Honours: MATHEMATICS**   **Roll No. 170331000089**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.50	5.73	Q
	MATHEMATICS	CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	5.50	6.30	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	7.00	7.08	Q
	MATHEMATICS	CC-6	Group Theory I	8	6	48	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	7.33	7.46	Q
	MATHEMATICS	CC-9	Multivariate Calculus	6	6	36	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	6.75	6.75	Q
	MATHEMATICS	CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.28
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.23

Letter Grade in CGPA : A   Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}}V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}}V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RUBINA KHATUN   **Honours: MATHEMATICS**   **Roll No. 170331000091**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	4.50	5.18	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	5.50	5.70	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.00	5.62	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	5.00	5.85	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ABANTIKA TA　　　　**Honours: CHEMISTRY**　　　**Roll No. 170340100001**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2017	6.50	6.18	Q
		CC-2	Physical Chemistry-I	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2018	6.00	5.80	Q
		CC-4	Organic Chemistry-II	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2018	7.33	7.00	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2018			
		CC-7	Organic Chemistry-III	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	10	2	20	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	6	6	36	2019	5.33	5.54	Q
		CC-9	Inorganic Chemistry-III	5	6	30	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2019	6.25	6.25	Q
		CC-12	Organic Chemistry-V	7	6	42	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	5	6	30	2019			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2020	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	9	6	54	2020			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2020			
		DSE-4	Inorganic Materials of Industrial Importance	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　　: 6.94	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　　: 6.69		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: JAYASHREE SASMAL   **Honours: PHYSICS**   **Roll No. 170340100029**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	4	6	24	2017	4.00	4.64	Q
	PHYSICS	CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	4.50	4.60	Q
	PHYSICS	CC-4	Waves and Optics	4	6	24	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	5.00	5.54	Q
	PHYSICS	CC-6	Thermal Physics	4	6	24	2018			
	PHYSICS	CC-7	Digital Systems and Applications	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.00	5.85	Q
	PHYSICS	CC-9	Elements of Modern Physics	5	6	30	2019			
	PHYSICS	CC-10	Analog Systems & Applications	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019	5.75	5.75	Q
	PHYSICS	CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
	PHYSICS	DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	9.00	9.00	Q
	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.89	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.94		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MANISHA GHOSH   **Honours: ZOOLOGY**   **Roll No. 170340100042**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2017	5.50	6.09	Q
	ZOOLOGY	CC-2	Ecology	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	6.50	7.30	Q
	ZOOLOGY	CC-4	Cell Biology	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2018	7.67	7.62	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Sericulture	9	2	18	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.33	7.46	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
	ZOOLOGY	CC-10	Immunology	6	6	36	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	10	2	20	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.75	7.75	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	9	6	54	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.56		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MOUSAM ROY   **Honours: ZOOLOGY**   **Roll No. 170340100051**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2017	6.50	6.64	Q
	ZOOLOGY	CC-2	Ecology	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	6.50	6.80	Q
	ZOOLOGY	CC-4	Cell Biology	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	7.00	7.08	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Sericulture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	6.00	6.23	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
	ZOOLOGY	CC-10	Immunology	5	6	30	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	8.00	8.00	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	9	6	54	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.39	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.30		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RAJKUMAR BISWAS   **Honours: ZOOLOGY**   **Roll No. 170340100077**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	5	6	30	2017	5.50	5.55	Q
	ZOOLOGY	CC-2	Ecology	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	6.50	6.60	Q
	ZOOLOGY	CC-4	Cell Biology	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	6.67	6.38	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	6	6	36	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	5	6	30	2018			
	ZOOLOGY	SEC-1	Sericulture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	6.33	6.23	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	5	6	30	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	5	6	30	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.25	7.25	Q
	ZOOLOGY	CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.11	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.85		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$
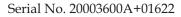
Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SHANKHA GHOSH   **Honours: ENVIRONMENTAL SCIENCE**   **Roll No. 170340100097**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	9	6	54	2017	9.00	8.36	Q
	ENVIRONMENTAL SCIENCE	CC-2	Environmental Biology	9	6	54	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	9	6	54	2018	8.50	8.00	Q
	ENVIRONMENTAL SCIENCE	CC-4	Environmental Physics	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2018	9.00	8.77	Q
	ENVIRONMENTAL SCIENCE	CC-6	Environmental Resources	9	6	54	2018			
	ENVIRONMENTAL SCIENCE	CC-7	Green Chemistry & Environmental Applications	9	6	54	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2018			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	9	2	18	2018			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2019	8.00	7.92	Q
	ENVIRONMENTAL SCIENCE	CC-9	Environmental Laws, Policies & Environmental Impact Assessment	8	6	48	2019			
	ENVIRONMENTAL SCIENCE	CC-10	Natural Hazards & Management & Waste Management	7	6	42	2019			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2019			
	ENVIRONMENTAL SCIENCE	SEC-2	Conservation & Ecotourism	7	2	14	2019			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	8	6	48	2019	7.75	7.75	Q
	ENVIRONMENTAL SCIENCE	CC-12	Environmental Engineering & Statistics	8	6	48	2019			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	DSE-2	Environmental Health & Stress Physiology	8	6	48	2019			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2020	9.00	9.00	Q
	ENVIRONMENTAL SCIENCE	CC-14	Wildlife Management & Conservation	10	6	60	2020			
	ENVIRONMENTAL SCIENCE	DSE-3	Water & Water resources	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-4	Solid Waste Management	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.50	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.31		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SIPRA DE   **Honours: PHYSICS**   **Roll No. 170340100105**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017	6.00	6.36	Q
		CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	4.00	5.10	Q
		CC-4	Waves and Optics	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2018	6.67	6.54	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2019	4.67	5.31	Q
		CC-9	Elements of Modern Physics	4	6	24	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019			SNC
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.50	8.50	Q
		CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOURAV KONER   **Honours: ZOOLOGY**   **Roll No. 170340100120**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	5	6	30	2017	5.00	5.64	Q
	ZOOLOGY	CC-2	Ecology	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2018	6.00	6.30	Q
	ZOOLOGY	CC-4	Cell Biology	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	7.00	6.85	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	8	6	48	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	6	6	36	2018			
	ZOOLOGY	SEC-1	Sericulture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	6.67	6.92	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	6	6	36	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	7.75	7.75	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.00	9.00	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.22	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.11		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

				Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9	= (SGPA or CGPA ×10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: HOIMANTI MONDAL   **Honours: MATHEMATICS**   **Roll No. 170340300025**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.00	4.64	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.00	6.80	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.00	5.38	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.00	5.85	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Bio Mathematics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

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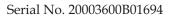| Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: JAYANTA MONDAL   **Honours: ZOOLOGY**   **Roll No. 170340300027**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	4	6	24	2017			
	ZOOLOGY	CC-2	Ecology	4	6	24	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	4	6	24	2017	4.00	4.55	Q
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2018			
	ZOOLOGY	CC-4	Cell Biology	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	4	6	24	2018	5.00	4.90	Q
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2018			
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2018			
		CC-7	Fundamentals of Biochemistry	4	6	24	2018	5.00	5.08	Q
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	4	6	24	2019			
		CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2019			
		CC-10	Immunology	7	6	42	2020	5.33	5.15	Q
	BOTANY	GE-4	Plant Physiology and Metabolism	4	6	24	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2020			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2019			
		CC-12	Genetics	6	6	36	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	4	6	24	2019	5.00	5.00	Q
		DSE-2	Parasitology	5	6	30	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2020			
		CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	8	6	48	2020	7.00	7.00	Q
		DSE-4	Endocrinology	6	6	36	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.39	Letter Grade in CGPA : B	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.30		

Date of Publication of Result : 29.10.2020

$$ \text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i} $$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KOUSHIK DUTTA　　　　　**Honours: MATHEMATICS**　　　　　**Roll No. 170340300029**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.50	5.73	Q
		CC-2	Algebra	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	8.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	7.33	7.92	Q
		CC-6	Group Theory I	10	6	60	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	7.67	7.92	Q
		CC-9	Multivariate Calculus	7	6	42	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	8.25	8.25	Q
		CC-12	Mechanics I	8	6	48	2019			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Bio Mathematics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　: 8.00	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　: 7.85		

Date of Publication of Result : 29.10.2020

$$SGPA \ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PUSHPAK MANDI **Honours: PHYSICS** **Roll No. 170340300049**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017			
	PHYSICS	CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019	5.50	5.45	Q
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2019			
	PHYSICS	CC-4	Waves and Optics	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	4	6	24	2018	5.50	5.20	Q
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2018			
	PHYSICS	CC-6	Thermal Physics	4	6	24	2018			
	PHYSICS	CC-7	Digital Systems and Applications	5	6	30	2018	4.33	4.23	Q
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2019			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	4	2	8	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019			
	PHYSICS	CC-9	Elements of Modern Physics	4	6	24	2019			
	PHYSICS	CC-10	Analog Systems & Applications	5	6	30	2019	4.67	4.69	Q
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2020			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2019			
	PHYSICS	CC-12	Solid State Physics	4	6	24	2019			SNC
	PHYSICS	DSE-1	Advanced Mathematical Physics	4	6	24	2019			
	PHYSICS	DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020			
	PHYSICS	CC-14	Statistical Mechanics	7	6	42	2020	8.00	8.00	Q
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
	PHYSICS	DSE-4	Applied Dynamics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SHISAM GHOSH   **Honours: MATHEMATICS**   **Roll No. 170340300064**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2019	5.00	4.91	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	4.50	4.80	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2019	5.00	5.23	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.33	5.38	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.25	5.25	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Bio Mathematics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.11	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.92		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOMNATH KARMAKAR **Honours: BOTANY** **Roll No. 170340300075**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	BOTANY	CC-1	Microbiology and Phycology	5	6	30	2017	5.00	5.18	Q
	BOTANY	CC-2	Archegoniatae	5	6	30	2017			
	ZOOLOGY	GE-1	Animal Diversity	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2018	5.00	5.50	Q
	BOTANY	CC-4	Morphology and Anatomy of Angiosperms	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	5	6	30	2018	4.67	4.69	Q
	BOTANY	CC-6	Plant Systematics	4	6	24	2019			
	BOTANY	CC-7	Economic Botany	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	BOTANY	SEC-1	Medicinal Botany	4	2	8	2018			
IV	BOTANY	CC-8	Palaeobotany & Palynology	6	6	36	2020	5.67	5.15	Q
	BOTANY	CC-9	Biomolecules and Cell Biology	5	6	30	2019			
	BOTANY	CC-10	Molecular Biology	6	6	36	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	4	6	24	2019			
	BOTANY	SEC-2	Plant Diversity & Human Welfare	4	2	8	2019			
V	BOTANY	CC-11	Plant Physiology	NA	6	NA				SNC
	BOTANY	CC-12	Plant Metabolism	4	6	24	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	4	6	24	2019			
	BOTANY	DSE-2	Natural Resource Management	6	6	36	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	7	6	42	2020	6.50	6.50	Q
	BOTANY	CC-14	Plant Biotechnology	5	6	30	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	7	6	42	2020			
	BOTANY	DSE-4	Horticulture Practices & Post-Harvest Technology	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUMI MONDAL **Honours: MATHEMATICS** **Roll No. 170340300078**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.50	5.64	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	7.50	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	7.67	7.62	Q
		CC-6	Group Theory I	10	6	60	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	7.00	7.46	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.75	6.75	Q
		CC-12	Mechanics I	7	6	42	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Bio Mathematics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.44		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOURAV KARMAKAR   **Honours: PHYSICS**   **Roll No. 170340300081**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017			SNC
	PHYSICS	CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	NA	6	NA				
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.00	5.30	Q
	PHYSICS	CC-4	Waves and Optics	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	5.33	5.00	Q
	PHYSICS	CC-6	Thermal Physics	5	6	30	2018			
	PHYSICS	CC-7	Digital Systems and Applications	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	5	2	10	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.33	5.15	Q
	PHYSICS	CC-9	Elements of Modern Physics	6	6	36	2019			
	PHYSICS	CC-10	Analog Systems & Applications	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	5	6	30	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	4	2	8	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019			SNC
	PHYSICS	CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
	PHYSICS	DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.50	7.50	Q
	PHYSICS	CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2020			
	PHYSICS	DSE-4	Applied Dynamics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n}V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N}V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHENDU PRAMANICK   **Honours: MATHEMATICS**   **Roll No. 170340300085**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2017	8.00	6.82	Q
		CC-2	Algebra	8	6	48	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2018	9.50	8.70	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2018	9.00	8.85	Q
		CC-6	Group Theory I	9	6	54	2018			
		CC-7	Numerical Methods	9	6	54	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	9.00	8.62	Q
		CC-9	Multivariate Calculus	8	6	48	2019			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	8.50	8.50	Q
		CC-12	Mechanics I	9	6	54	2019			
	MATHEMATICS	DSE-1	Point Set Topology	8	6	48	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Bio Mathematics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.89	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.48		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AMARTYA MANDAL   **Honours: PHYSICS**   **Roll No. 170340400003**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	4.50	4.91	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	5.00	6.20	Q
		CC-4	Waves and Optics	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2018	6.00	6.08	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	8	6	48	2018			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2019	6.33	6.31	Q
		CC-9	Elements of Modern Physics	8	6	48	2020			
		CC-10	Analog Systems & Applications	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019			SNC
		CC-12	Solid State Physics	5	6	30	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.50	8.50	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course		CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective		9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective		8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course		7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course		6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

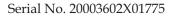| 90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARNAB CHAKRABORTY   **Honours: MATHEMATICS**   **Roll No. 170340400019**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	4.64	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	5.50	5.50	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	4	6	24	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.33	5.31	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SRIJONI PAL　　　　**Honours: MATHEMATICS**　　　**Roll No. 170340400100**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	NA	6	NA				SNC
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.50	5.20	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2019	4.33	5.15	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019			SNC
		CC-9	Multivariate Calculus	NA	6	NA				
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$ \text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i} $$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANUBHAV BANERJEE **Honours: MATHEMATICS** **Roll No. 170340500009**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.50	5.91	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2018	8.50	8.30	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	6.23	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.67	5.62	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	6.25	6.25	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	8.75	8.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
	MATHEMATICS	DSE-4	Mechanics II	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.67	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.79		

Date of Publication of Result : 29.10.2020

Anindya Jyoti Pal
Controller of Examinations

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBANJALI SAHA **Honours: ZOOLOGY** **Roll No. 170340500026**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2017	7.00	7.00	Q
		CC-2	Ecology	7	6	42	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	6.50	6.60	Q
		CC-4	Cell Biology	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	6.67	6.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
		CC-7	Fundamentals of Biochemistry	6	6	36	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	6.33	6.31	Q
		CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
		CC-10	Immunology	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	7	2	14	2019			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2019	6.50	6.50	Q
		CC-12	Genetics	6	6	36	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
		DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2020			
		DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.99		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	
GE – Generic Elective					SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DIPAN DEY   **Honours: MATHEMATICS**   **Roll No. 170340500036**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	4.50	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.50	5.80	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.00	5.08	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All
SEC – Skill Enhancement Course					semesters not cleared]
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KAUSTAB KUNDU   **Honours: MATHEMATICS**   **Roll No. 170340500045**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	5.91	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.00	6.40	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.00	5.31	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

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Controller of Examinations

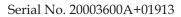| Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MOHAMMAD SAHIL **Honours: ZOOLOGY** **Roll No. 170340500054**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2017	9.00	8.36	Q
	ZOOLOGY	CC-2	Ecology	9	6	54	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2018	8.50	8.40	Q
	ZOOLOGY	CC-4	Cell Biology	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2018	9.00	8.92	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	9	6	54	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2019	8.00	8.00	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
	ZOOLOGY	CC-10	Immunology	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2019	9.00	9.00	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2019			
	ZOOLOGY	DSE-2	Parasitology	10	6	60	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2020	9.25	9.25	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	: 8.83	Letter Grade in CGPA : A+
CGPA (Cumulative Grade Point Average) on the basis of All Courses	: 8.66	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PARIKSHIT GHOSH　　　　**Honours: MATHEMATICS**　　　**Roll No. 170340500066**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.00	5.45	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	7.00	6.90	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	5.62	Q
	MATHEMATICS	CC-6	Group Theory I	6	6	36	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	4.67	5.15	Q
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	5.00	5.00	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.50	8.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Mechanics II	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.00	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.07		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOUVIK CHATTERJEE   **Honours: PHYSICS**   **Roll No. 170340500120**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017	7.00	7.27	Q
		CC-2	Mechanics	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2018	7.50	8.40	Q
		CC-4	Waves and Optics	8	6	48	2018			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2018			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2018	7.67	7.62	Q
		CC-6	Thermal Physics	7	6	42	2018			
		CC-7	Digital Systems and Applications	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2019	7.33	7.15	Q
		CC-9	Elements of Modern Physics	8	6	48	2019			
		CC-10	Analog Systems & Applications	7	6	42	2019			
	MATHEMATICS	GE-4	Algebra	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2019	7.75	7.75	Q
		CC-12	Solid State Physics	9	6	54	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Classical Dynamics	7	6	42	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.75	8.75	Q
		CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.78	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.80		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TIYASHA BHOWMICK   **Honours: ZOOLOGY**   **Roll No. 170340500154**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	8.00	7.27	Q
	ZOOLOGY	CC-2	Ecology	8	6	48	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2018	7.50	7.00	Q
	ZOOLOGY	CC-4	Cell Biology	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2018	8.00	7.77	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.00	6.77	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2019			
	ZOOLOGY	CC-10	Immunology	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	7	2	14	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.00	7.00	Q
	ZOOLOGY	CC-12	Genetics	6	6	36	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
	ZOOLOGY	DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2020	9.25	9.25	Q
	ZOOLOGY	CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
	ZOOLOGY	DSE-4	Endocrinology	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.83	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.52		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Arindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RITABRATA DAS   **Honours: MATHEMATICS**   **Roll No. 170340800012**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017			SNC
		CC-2	Algebra	NA	6	NA				
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	4.00	4.70	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.33	5.38	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	NA	6	NA				SNC
		CC-9	Multivariate Calculus	NA	6	NA				
		CC-10	Ring Theory and Linear Algebra I	NA	6	NA				
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	5	2	10	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	:	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses	:		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad \text{CGPA} = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SEJUTI SIL   **Honours: MATHEMATICS**   **Roll No. 170340800017**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	7.00	6.73	Q
		CC-2	Algebra	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	7.00	7.30	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2018	8.33	8.00	Q
		CC-6	Group Theory I	9	6	54	2018			
		CC-7	Numerical Methods	8	6	48	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2019	7.67	7.92	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :
CGPA (Cumulative Grade Point Average) on the basis of All Courses :	Result : PNC

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANKAN MANDAL   **Honours: MATHEMATICS**   **Roll No. 170340900012**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2017	10.00	8.91	Q
		CC-2	Algebra	10	6	60	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2018	10.00	9.40	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2018			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2018	8.67	8.38	Q
		CC-6	Group Theory I	8	6	48	2018			
		CC-7	Numerical Methods	10	6	60	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	9.00	9.08	Q
		CC-9	Multivariate Calculus	9	6	54	2019			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2019	8.50	8.50	Q
		CC-12	Mechanics I	8	6	48	2019			
	MATHEMATICS	DSE-1	Point Set Topology	7	6	42	2019			
		DSE-2	Probability & Statistics	9	6	54	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.28	Letter Grade in CGPA : O	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.03		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KOUSHIK SANTRA **Honours: COMPUTER SCIENCE** **Roll No. 170340900057**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2017	6.00	5.55	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2018	6.00	5.60	Q
		CC-4	Discrete Structure	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	4.33	5.23	Q
		CC-6	Operating Systems	4	6	24	2018			
		CC-7	Computer Networks	5	6	30	2018			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	4.67	4.85	Q
		CC-9	Software Engineering	5	6	30	2019			
		CC-10	Database Management System	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2019			SNC
		CC-12	Theory of Computation	NA	6	NA				
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	System Programming	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	8.75	8.75	Q
		CC-14	Computer Graphics	8	6	48	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Data Mining	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

				Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9	= (SGPA or CGPA ✕10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MANI SANKAR MANDAL   **Honours: PHYSICS**   **Roll No. 170340900066**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	6	6	36	2017	6.50	6.36	Q
		CC-2	Mechanics	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.00	5.20	Q
		CC-4	Waves and Optics	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2018	5.67	5.85	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2019	5.33	5.77	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	5.75	5.75	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
		DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	7.50	7.50	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	7	6	42	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.06	Letter Grade in CGPA : B+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.08	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHOJIT BALLAV   **Honours: COMPUTER SCIENCE**   **Roll No. 170340900176**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.50	5.00	Q
	COMPUTER SCIENCE	CC-2	Computer System Architecture	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2018	6.50	6.30	Q
	COMPUTER SCIENCE	CC-4	Discrete Structure	7	6	42	2018			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.67	5.62	Q
	COMPUTER SCIENCE	CC-6	Operating Systems	6	6	36	2018			
	COMPUTER SCIENCE	CC-7	Computer Networks	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	7.33	7.00	Q
	COMPUTER SCIENCE	CC-9	Software Engineering	7	6	42	2019			
	COMPUTER SCIENCE	CC-10	Database Management System	8	6	48	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2019	7.75	7.75	Q
	COMPUTER SCIENCE	CC-12	Theory of Computation	7	6	42	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
	COMPUTER SCIENCE	DSE-2	System Programming	9	6	54	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
	COMPUTER SCIENCE	CC-14	Computer Graphics	8	6	48	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
	COMPUTER SCIENCE	DSE-4	Data Mining	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.28	Letter Grade in CGPA : A
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.85	Result : Q

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

Percentage Conversion Formula:
= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUPRAKASH MUKHERJEE   **Honours: PHYSICS**   **Roll No. 170340900193**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.00	5.55	Q
		CC-2	Mechanics	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	6	6	36	2018	5.50	5.70	Q
		CC-4	Waves and Optics	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2018	5.00	4.77	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	5	2	10	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2019	4.33	4.92	Q
		CC-9	Elements of Modern Physics	4	6	24	2019			
		CC-10	Analog Systems & Applications	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	4	2	8	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019			SNC
		CC-12	Solid State Physics	5	6	30	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.50	7.50	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TANMOY CHOWDHURY **Honours: COMPUTER SCIENCE** **Roll No. 170340900205**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	6.00	5.27	Q
	COMPUTER SCIENCE	CC-2	Computer System Architecture	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2018	7.00	6.80	Q
	COMPUTER SCIENCE	CC-4	Discrete Structure	8	6	48	2018			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	6.00	6.08	Q
	COMPUTER SCIENCE	CC-6	Operating Systems	6	6	36	2018			
	COMPUTER SCIENCE	CC-7	Computer Networks	7	6	42	2018			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	6.33	6.31	Q
	COMPUTER SCIENCE	CC-9	Software Engineering	6	6	36	2019			
	COMPUTER SCIENCE	CC-10	Database Management System	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2019	7.50	7.50	Q
	COMPUTER SCIENCE	CC-12	Theory of Computation	7	6	42	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
	COMPUTER SCIENCE	DSE-2	System Programming	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2020	9.50	9.50	Q
	COMPUTER SCIENCE	CC-14	Computer Graphics	8	6	48	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
	COMPUTER SCIENCE	DSE-4	Data Mining	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.28	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.92		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

					Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9		= (SGPA or CGPA ×10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEEP CHATTERJEE **Honours: MATHEMATICS** **Roll No. 170341000025**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.00	5.55	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.00	6.70	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.00	5.23	Q
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	6.54	Q
	MATHEMATICS	CC-9	Multivariate Calculus	6	6	36	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
	MATHEMATICS	DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANTU GAYEN　　　　**Honours: MATHEMATICS**　　　**Roll No. 170341100007**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	NA	6	NA				SNC
	MATHEMATICS	CC-2	Algebra	NA	6	NA				
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	NA	6	NA				SNC
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	NA	6	NA				
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
	MATHEMATICS	CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	4	2	8	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	NA	6	NA				SNC
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	4	6	24	2019			
	MATHEMATICS	SEC-2	Graph Theory	4	2	8	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　　：	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　　：		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective					
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All semesters not cleared]
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AYAN GHOSH   **Honours: MATHEMATICS**   **Roll No. 170341100012**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.00	5.73	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.00	6.70	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	5.00	5.69	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.00	5.00	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	5	2	10	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	:		Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses	:			

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KOUSHIK GHOSH   **Honours: PHYSICS**   **Roll No. 170341100023**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	6	6	36	2017	6.50	6.09	Q
		CC-2	Mechanics	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.50	6.00	Q
		CC-4	Waves and Optics	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	6.67	6.31	Q
		CC-6	Thermal Physics	6	6	36	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2019	6.00	5.85	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019			SNC
		CC-12	Solid State Physics	8	6	48	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.25	8.25	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Arindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

				Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9	= (SGPA or CGPA ✕10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: KOUSHIK JANA **Honours: MATHEMATICS** **Roll No. 170341100024**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.00	5.64	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	4.00	5.40	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.33	5.15	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2019			
	MATHEMATICS	CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.67	5.31	Q
	MATHEMATICS	CC-9	Multivariate Calculus	6	6	36	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	4	6	24	2019			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

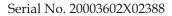| Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RAMKRISHNA MONDAL   **Honours: PHYSICS**   **Roll No. 170341100038**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2017	6.50	6.45	Q
		CC-2	Mechanics	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	5.00	5.80	Q
		CC-4	Waves and Optics	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	6.33	6.31	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2019	6.33	6.31	Q
		CC-9	Elements of Modern Physics	6	6	36	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019			SNC
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.75	8.75	Q
		CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	:	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses	:		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :					
CC – Core Course					
GE – Generic Elective					
DSE – Discipline Specific Elective					
SEC – Skill Enhancement Course					
AECC – Ability Enhancement Compulsory Course					

CGPA Letter Grades				Result Codes:
CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
7 to below 8	A (Very Good)	Below 4	F (Fail)	
6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RANU MAITI   **Honours: MATHEMATICS**   **Roll No. 170341100040**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	6.27	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2018	7.50	7.50	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018	7.33	7.38	Q
	MATHEMATICS	CC-6	Group Theory I	8	6	48	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	6.67	6.77	Q
	MATHEMATICS	CC-9	Multivariate Calculus	7	6	42	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	MATHEMATICS	SEC-2	Graph Theory	4	2	8	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	5.75	5.75	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.33 CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.28	Letter Grade in CGPA : A Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: BHASKAR GANGULY **Honours: MATHEMATICS** **Roll No. 170341200008**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017			
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017	5.00	5.45	Q
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018			
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018	6.00	6.00	Q
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019			
	MATHEMATICS	CC-6	Group Theory I	5	6	30	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018	6.33	6.46	Q
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019			
	MATHEMATICS	CC-9	Multivariate Calculus	4	6	24	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	7	6	42	2019	5.67	6.23	Q
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			
	MATHEMATICS	CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019	6.75	6.75	Q
	MATHEMATICS	DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020			
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020	9.75	9.75	Q
	MATHEMATICS	DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.89	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.80		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: LABANYA DHAWA   **Honours: MATHEMATICS**   **Roll No. 170341200014**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	7.00	6.82	Q
		CC-2	Algebra	7	6	42	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	6.50	7.20	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	6.00	6.77	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2019	6.00	6.54	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	6.00	6.00	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.00	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.17		

Date of Publication of Result : 29.10.2020

$$SGPA \ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course					
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARIJIT GHOSH **Honours: MATHEMATICS** **Roll No. 170341300007**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	4.36	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	5.00	6.30	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.67	5.85	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOMNATH KARMAKAR   **Honours: MATHEMATICS**   **Roll No. 170341300065**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019			SNC
		CC-2	Algebra	NA	6	NA				
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	4.50	5.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	6.67	6.92	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :					Result Codes:
	CGPA Letter Grades				
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SWARNAVA MODAK   **Honours: MATHEMATICS**   **Roll No. 170341300083**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	5.64	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.50	6.60	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	6.33	6.54	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2020			
	MATHEMATICS	DSE-3	Group Theory II	8	6	48	2020			
		DSE-4	Mechanics II	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ARNAB BHATTACHARJYA   **Honours: PHYSICS**   **Roll No. 170341400006**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.00	5.45	Q
	PHYSICS	CC-2	Mechanics	5	6	30	2017			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	4.50	4.80	Q
	PHYSICS	CC-4	Waves and Optics	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2018	7.00	6.54	Q
	PHYSICS	CC-6	Thermal Physics	5	6	30	2018			
	PHYSICS	CC-7	Digital Systems and Applications	8	6	48	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	4	2	8	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	6.00	5.62	Q
	PHYSICS	CC-9	Elements of Modern Physics	6	6	36	2019			
	PHYSICS	CC-10	Analog Systems & Applications	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	6.75	6.75	Q
	PHYSICS	CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
	PHYSICS	DSE-2	Communication Systems	8	6	48	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.50	7.50	Q
	PHYSICS	CC-14	Statistical Mechanics	6	6	36	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
	PHYSICS	DSE-4	Astronomy and Astrophysics	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.39	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.15		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

					Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9		= (SGPA or CGPA ×10) - 5.0
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		*Letter Grade in CGPA is awarded on the
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SNEHASIS BAHADUR **Honours: PHYSICS** **Roll No. 170341400041**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	4	6	24	2017	4.50	5.09	Q
		CC-2	Mechanics	5	6	30	2017			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2019	4.00	5.20	Q
		CC-4	Waves and Optics	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	6.67	6.77	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	8	6	48	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	7	6	42	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	6.00	5.62	Q
		CC-9	Elements of Modern Physics	7	6	42	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	6.00	6.00	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Communication Systems	6	6	36	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.00	8.00	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.17	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.15		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SOURAV HAZRA   **Honours: PHYSICS**   **Roll No. 170341400045**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.00	5.64	Q
		CC-2	Mechanics	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	4.50	5.70	Q
		CC-4	Waves and Optics	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	6.67	6.77	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.67	5.38	Q
		CC-9	Elements of Modern Physics	6	6	36	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	5.75	5.75	Q
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Communication Systems	6	6	36	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.25	8.25	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.22	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.27		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

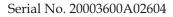|			
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANUBHAB BHANDARI   **Honours: MATHEMATICS**   **Roll No. 170341600008**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.18	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2018			
	ELECTRONICS	GE-1	Electronic Circuits and PCB Designing	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.00	6.10	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.00	6.31	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2019			
	ELECTRONICS	GE-4	Communication Systems	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: PRIYABRATA SINHA ROY   **Honours: MATHEMATICS**   **Roll No. 170341600034**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	5.18	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2018	7.50	7.80	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.33	6.69	Q
	MATHEMATICS	CC-6	Group Theory I	7	6	42	2018			
	MATHEMATICS	CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2019	6.33	7.23	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2019	7.25	7.25	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	6	6	36	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.75	9.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
	MATHEMATICS	DSE-4	Project Work	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.17	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.32		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANKITA DAS   **Honours: ZOOLOGY**   **Roll No. 170342000005**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	8.00	7.91	Q
	ZOOLOGY	CC-2	Ecology	8	6	48	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2018	6.50	6.80	Q
	ZOOLOGY	CC-4	Cell Biology	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	7.33	7.54	Q
	ZOOLOGY	CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2018			
	ZOOLOGY	CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2018			
	ZOOLOGY	SEC-1	Sericulture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	7.00	7.31	Q
	ZOOLOGY	CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
	ZOOLOGY	CC-10	Immunology	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	5	2	10	2019			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2019	7.75	7.75	Q
	ZOOLOGY	CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2019			
	ZOOLOGY	DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	8.50	8.50	Q
	ZOOLOGY	CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2020			
	ZOOLOGY	DSE-4	Endocrinology	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.61	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.65		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

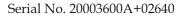**Percentage Conversion Formula:**

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANUP BHANDARI   **Honours: MATHEMATICS**   **Roll No. 170342000006**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2017	4.00	5.27	Q
	MATHEMATICS	CC-2	Algebra	4	6	24	2018			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2020	5.50	6.30	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018			SNC
	MATHEMATICS	CC-6	Group Theory I	NA	6	NA				
	MATHEMATICS	CC-7	Numerical Methods	4	6	24	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	NA	2	NA				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2020	5.00	4.92	Q
	MATHEMATICS	CC-9	Multivariate Calculus	5	6	30	2020			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	5	6	30	2020			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	4	2	8	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
	MATHEMATICS	CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
	MATHEMATICS	DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.50	8.50	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	8	6	48	2020			
	MATHEMATICS	DSE-4	Project Work	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :	Letter Grade in CGPA :
CGPA (Cumulative Grade Point Average) on the basis of All Courses :	Result : PNC

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All semesters not cleared]
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: ANUSHKA GHOSH   **Honours: BOTANY**   **Roll No. 170342000008**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2017	7.50	7.45	Q
		CC-2	Archegoniatae	7	6	42	2017			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2018	7.00	7.20	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2018	9.33	8.69	Q
		CC-6	Plant Systematics	10	6	60	2018			
		CC-7	Economic Botany	9	6	54	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2018			
	BOTANY	SEC-1	Ethnobotany	8	2	16	2018			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2019	9.00	8.69	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2019			
		CC-10	Molecular Biology	9	6	54	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2019			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2019	9.25	9.25	Q
		CC-12	Plant Metabolism	10	6	60	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2019			
		DSE-2	Natural Resource Management	9	6	54	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2020	9.75	9.75	Q
		CC-14	Plant Biotechnology	10	6	60	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2020			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.89	Letter Grade in CGPA : A+
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.56	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:
= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AYAN CHAKRABORTY　　　　**Honours: MATHEMATICS**　　　　**Roll No. 170342000012**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2017	6.00	6.27	Q
	MATHEMATICS	CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.50	6.60	Q
	MATHEMATICS	CC-4	Differential Equations and Vector Calculus	7	6	42	2018			
	COMPUTER SCIENCE	GE-2	Database Management Systems	8	6	48	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.67	5.31	Q
	MATHEMATICS	CC-6	Group Theory I	4	6	24	2018			
	MATHEMATICS	CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.00	5.38	Q
	MATHEMATICS	CC-9	Multivariate Calculus	6	6	36	2019			
	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2019	6.00	6.00	Q
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
	MATHEMATICS	DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.75	8.75	Q
	MATHEMATICS	CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	8	6	48	2020			
	MATHEMATICS	DSE-4	Project Work	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs　　: 6.17	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses　　: 6.35		

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad CGPA = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ✕10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: DEBJANI DAS   **Honours: MATHEMATICS**   **Roll No. 170342000020**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.55	Q
		CC-2	Algebra	4	6	24	2017			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2020	4.50	5.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	4	6	24	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	4	2	8	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2020	4.33	4.69	Q
		CC-9	Multivariate Calculus	4	6	24	2020			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	4	2	8	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	7.75	7.75	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
		DSE-4	Project Work	8	6	48	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs	:	Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses	:		

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: RATUL PRAMANIK   **Honours: PHYSICS**   **Roll No. 170342000054**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1	Mathematical Physics-I	6	6	36	2017	5.50	5.55	Q
		CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	4.50	4.90	Q
		CC-4	Waves and Optics	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	5.33	5.31	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.33	5.62	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	4	2	8	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2019			SNC
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2020	7.75	7.75	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :		Letter Grade in CGPA :	Result : PNC
CGPA (Cumulative Grade Point Average) on the basis of All Courses :			

Date of Publication of Result : 29.10.2020

$$\text{SGPA (S)} = \frac{\sum_{i=1}^{n}(G_i \times V_i)}{\sum_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum_{i=1}^{N}(V_i \times S_i)}{\sum_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
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DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SUBHAJIT DAS   **Honours: CHEMISTRY**   **Roll No. 170342000083**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2017	6.50	6.18	Q
		CC-2	Physical Chemistry-I	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2018	7.00	6.10	Q
		CC-4	Organic Chemistry-II	7	6	42	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2018	6.00	6.15	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2018			
		CC-7	Organic Chemistry-III	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	6	6	36	2019	6.00	6.15	Q
		CC-9	Inorganic Chemistry-III	7	6	42	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	6	6	36	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2019	7.25	7.25	Q
		CC-12	Organic Chemistry-V	7	6	42	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2019			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2020	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2020			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2020			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.11	Letter Grade in CGPA : A
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.82	Result : Q

Date of Publication of Result : 29.10.2020

$$SGPA\ (S) = \frac{\overset{n}{\underset{i=1}{\Sigma}}(G_i \times V_i)}{\overset{n}{\underset{i=1}{\Sigma}} V_i} \qquad CGPA = \frac{\overset{N}{\underset{i=1}{\Sigma}}(V_i \times S_i)}{\overset{N}{\underset{i=1}{\Sigma}} V_i}$$

Anindya Jyoti Pal
Controller of Examinations

Course Types :	CGPA Letter Grades				Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
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DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or All semesters not cleared]
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Grade Point Norms:

90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage Conversion Formula:

= (SGPA or CGPA ×10) - 5.0

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs