

**B.Sc.(G) 3<sup>rd</sup> Semester Examination, 2020(CBCS)**  
**Paper Name: Operating Systems Paper Code:CC-1C/GE-3**

**Subject: Computer Science**

**F.M:40**

**Time:2Hrs.**

**Answer any *eight* Questions.**

**5x8=40**

1. What do you mean by Operating System? Write functions of Operating System. 2+3
2. Write a short note on Process Control Block. 5
3. Discuss different thread model. 5
4. What do you mean by paging? Explain with suitable example. 2+3
5. Discuss Virtual Memory concept of Operating System. 5
6. Discuss preemptive strategy of CPU scheduling algorithm. 5
7. Explain context switching in brief. 5
8. Write a shell script to find factorial of an integer. 5
9. Write the functions of following UNIX commands 5  
ls , date , grep , cal , cut
10. Define shell. Discuss various types of shell in UNIX. 5