B.A. 3rd Semester (Honours) Examination, 2020 (CBCS)

Subject: Music

(General Study of Computer and its Application)

Paper: SEC-I

Time: 2 Hours   **Full Marks: 40**

Answer any eight of the following questions   **8x5**

1. Explain the generations of computer.

2. What is secondary memory? Explain Floppy Disk.

3. Explain Grey Code in brief. Convert (011011) into its Grey Code.

4. Convert Hexadecimal to Binary $(6A2.4E)_{16}$. Perform 42-12 using 1's complement.

5. What are the differences between multiprogramming and multiprocessing?

6. Differentiate Volatile and Non-Volatile memory.

7. Explain Memory Hierarchy.

8. A computer employs RAM chips of 256x8 and ROM chips of 1024x8. The computer system needs 2K bytes of RAM and 4K bytes of ROM. How many RAM and ROM chips are needed? 5

9. Explain Cache memory. 5

10. What is Deadlock? When deadlock occurs? 2+3