Roll No. ....   Total Pages : 2

BT-6/M-21

46002

COMPUTER HARDWARE TECHNOLOGIES
Paper–CSE-304

Time : Three Hours]   [Maximum Marks : 100

Note : Attempt *five* questions in all, selecting at least *one* question from each unit. All questions carry equal marks.

UNIT–I

1. (a) What are the various Memory types and their properties? Explain.   10

   (b) What is to be done for Troubleshooting memory? What are the various indications that show the system is having problems due to memory?   10

2. (a) Describe various ways to backup power system along with their pros and cons.   10

   (b) What are the various qualities and specifications of power supply? Explain in detail.   10

UNIT–II

3. (a) Draw and explain the PC Family tree in detail.   10

   (b) How can you configure BIOS? Explain the role of CMOS setup in detail.   10

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4. Describe the various I/O buses used in the system along with their block diagram and advantages and disadvantages of each. 20

UNIT–III

5. (a) Explain the floppy disk interface along with its components in detail. 10

(b) Differentiate between serial, parallel and USB ports. 10

6. What are the various modes of data transfer? Explain in detail. 20

UNIT–IV

7. (a) Explain the architecture and working of CD and DVD. 10

(b) How can you partition and format a hard disk? Explain. 10

8. (a) Compare and contrast various types of monitors. 10

(b) Explain various types of mouse along with their working and components. 10