BT-6/M-19   36002

COMPUTER HARDWARE TECHNOLOGIES
CSE-304 (Opt. ii)

Time : Three Hours]   [Maximum Marks **:** 100

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit.

Unit I

1. (a) Discuss the basic scenarios during which memory error appears.   **10**

    (b) What is tire need of memory bank ? Also explain tire procedure of filling the memory bank with memory chips.   **10**

2. Explain the tools and techniques required to troubleshoot power-supply operation.   **20**

Unit II

3. (a) What are the different method: to allocation and enable system resources for a particular device or port ?   10

(b) Discuss the parameters stored in CMOS for setting up devices. 10

4. (a) Why VESA Local Bus is able to cope up with the graphics load imposed by different operating systems ? 10

(b) Highlight the features of PCI bus which makes it suitable for Pentium processor series. 10

Unit HI

5. Explain in detail the characteristics of serial and parallel ports in terms of its connectors and configurations. 20

6. (a) How the devices are connected and accessed in a PC using SCSI interface ? 10

(b) Give a brief outline of the commonly used data transfer protocol for IDE devices. 10

Unit IV

7. Write short notes on the following :
(a) Hard disk (b) Monitors. 20

8. (a) What are the basic mechanical switch designs used in keyboard ? 10

(b) Discuss the basic approaches used in trouble shooting of drives. 10