

Roll No.

Total Pages : 02

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 the need of memory bank ? Also explain the 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 methods to allocation and enable system resources for a particular device or port ? 10

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- (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 III

- 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