

Roll No.

Total Pages : 03

BT-6/M-14

8602

COMPUTER HARDWARE TECHNOLOGIES

CSE-304

Time : Three Hours]

[Maximum Marks : 100

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

Unit I

1. (a) Explain different types of memory modules used in PC. 10
- (b) Explain the different types of specialized memory devices that have been tailored to serve specific functions in the PC. 10
2. (a) What are different types of power plugs used in a power supply ? 10
- (b) What is backup power system ? Explain.

10

Unit II

3. (a) What is Motherboard ? Explain controllers of a motherboard. 10
- (b) What does a POST message convey ? Discuss the *five* different modes used by POST. 10
4. Differentiate between the following :
- (a) EISA and VESA 10
- (b) PCI and PCIX. 10

Unit III

5. (a) What is video adapter ? How can you test failure of a video adapter ? 10
- (b) Write a short note on USB. 10
6. (a) What is ATA ? Explain ATA standards. 10
- (b) What is parallel port ? What are its uses ? Discuss timing signals of a typical parallel port. 10

Unit IV

7. (a) What is hard drive ? Show a typical hard drive sector layout. 10
- (b) Illustrate the electronic block diagram for a typical CD drive. 10
8. (a) How can you test failure of keyboard and mouse ? 10
- (b) Write a short note on color monitor. 10