

Roll No. ....

Total Pages : 2

**BT-6/M-20**

**36002**

**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 types of memory modules? Explain their pros and cons. 10
- (b) Explain any *two* advanced memory technologies along with their working and their advantages over current memory technologies. 10
2. (a) Describe various functions and operations of power supply in a computer system. 10
- (b) Explain various types of UPS along with their working in brief. 10

**UNIT-II**

3. Explain the working of system chipset and various controllers on the motherboard on a computer system. 20

4. Write short notes on :
- (a) ROM POST.
  - (b) PCI.
  - (c) ISA.
  - (d) IRQ. 20

### UNIT-III

5. Explain IDE and SCSI interface along with their block diagram and working. Also compare them on basis of various counts. 20
6. What are various types of video adapters? Explain the working of video adapters. How can you troubleshoot a video adapter? 20

### UNIT-IV

7. (a) How can you troubleshoot a floppy disk and hard disk? Explain. 10
- (b) What are the various recordable devices? Explain in detail. 10
8. (a) Compare and contrast various types of printers. 10
- (b) Explain various types of keyboards along with their working and components. 10