BT-6/M-18

COMPUTER HARDWARE TECHNOLOGIES
Paper-CSE-304 Opt.-I

Time allowed : 3 hours]   *[Maximum marks : 100*

Note   *The candidate is required to attempt five questions in all selecting at least one question from each unit.*

Unlt-1

1. (a) What are the improvements made in memory design in order to enhance ti»c pertomiance of a computer system? **10**

 (b) Discuss the different ways in which memory modules arc assembled. **10**

2. Describe the objectives of a good UPS system for PCs and also highlight the kind of specification needed. **20**

Unit-U

3. (a) How BIOS acts as an intermediary between the parts of the computcr? **10**

 (b) Outline the key components in a typical motherboard layout **10**

4. (a) How IRQ resources are completely different from the memory address and I/O port address resources? **10**

 (b) Give a performance comparison of AGP and PCI system bus. **10**

Unit-Ill

5. (a) Why USB are proving to be good replacement for the serial and parallel ports on the computers? **10**

 (b) Discuss the characteristics of video adapter in term of its components and video memory requirements. **10**

6. (a) Why Master/Slave configuration is required to connect devices using ATA interface? Also explain the possible jumper configurations for the same. **10**

 (b) Give a performance comparison between SCSI and IDE interface. **10**

Unit-IV

7. Explain in detail the various components of a typical CD-ROM drive. **20**

8. (a) What arc the important features of a printer dial affect the quality of print out? **10**

 (b) What is the technology used in LCD monitors? Also explain the pros and cons of LCD monitors. **10**

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