COMPUTER HARDWARE TECHNOLOGIES

Paper–CSE–304

Time allowed : 3 hours]   [Maximum marks : 100

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

Unit–I

1. (a) How can you test memory failures ? Explain.   10

    (b) What are SRAM, DRAM, VRAM, SDRAM and RDRAM ?   10

2. (a) What is function of a power supply ? Discuss different form factors of a power supply.   10

    (b) How can you test failure of power supply ?   10·

Unit–II

3. (a) Explain various parts of PC motherboard.   10

    (b) Explain about MCA, PCI, AGP and onboard I/O devices.   10

4. (a) Describe briefly the core features of BIOS.   10·

    (b) Explain the common entries that are found in the standard CMOS setup menu.   10

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Unit–III

5. (a) Describe the IDE features and architecture. 10

   (b) Explain different data transfer modes with pros and cons of each. 10

6. (a) What is SCSI ? Explain standards of SCSI. 10

   (b) What is serial port ? Discuss different types of serial ports. 10

Unit–IV

7. (a) What are the recording techniques used with CD-ROMs and hard disk drives ? 10

   (b) Explore the problems associated with a hard disk drive. 10

8. Write short notes on :

   (a) Keyboard 10

   (b) Laser Printer. 10

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