



Reg. No. :

Name :

Seventh Semester B.Tech. Degree Examination, October 2014
(2008 Scheme)

08.705(2) : COMPUTER HARDWARE AND INTERFACING
(Elective – II) (R)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions :

1. Why SRAM is not used as primary system memory ?
2. Explain the functions of power supply.
3. What are the advantages and disadvantages of positive pressure ventilation ?
4. List the features of SCSI-2.
5. What is ergonomic keyboard ? Explain.
6. Describe zoned bit recording.
7. What is the main drawback of parallel port interface ?
8. Define seek time and access time in the context of hard disk drive.
9. Describe the settings included under the control of CMOS set up.
10. Compare ISA and EISA I/O system bus. **(10×4=40 Marks)**



PART – B

Answer **any one full** question from **each** Module. **Each** question carries **20** marks.

Module – I

- | | |
|---|----|
| 11. a) Explain the different types of memory modules. | 12 |
| b) Describe video memory. | 8 |

OR

- | | |
|---|----|
| 12. a) Describe the functions of chipset. | 10 |
| b) Explain : i) Fast Page Mode DRAM ii) EDO DRAM. | 10 |

Module – II

- | | |
|---|----|
| 13. Explain the basic components and the working of hard disk drives. | 20 |
| OR | |
| 14. a) Explain the commonly used data transfer protocols for IDE devices. | 10 |
| b) Briefly describe ATA standards. | 10 |

Module – III

- | | |
|--|----|
| 15. a) Briefly describe the architecture of Peripheral Component Interconnect Bus. | 10 |
| b) What are the characteristics of video adapters ? | 10 |
| OR | |
| 16. a) Briefly describe the keyboard layouts and connectors used for desktop PCs. | 10 |
| b) Compare serial and parallel ports. Give a brief overview of the Universal Serial Bus (USB). | 10 |