Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

B.Tech.(CSE) (2011 Onwards) (Sem.–5)
COMPUTER PERIPHERALS & INTERFACES
Subject Code : BTCS-505
M.Code : 70538

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Answer briefly :

1. What is serial communication?

2. Parallel ports are prone to crosstalk. Explain.

3. Compare ISA and EISA I/O bus system.

4. Which port is specially designed for graphics adapters?

5. What is the role of the cooling system?

6. What is IEEE 1394?

7. What is ATA standard?

8. What is the need for a TV tuner?

9. List the various video adapter types.

10. What is the role of the interrupt?

SECTION-B

11. Assume that you own a hardware company; a customer approaches you seeking whether to use IDE or SCSI. Which of the two will you recommend and why?

12. When designing a hardware component, cost plays a critical role. Explain how cost performance analysis is done?

13. What is the purpose of Interrupt Request Line (IRQ)?

14. A keyword is used to get input from the user. Explain the working of a keyword starting from a key pressed to displaying it on the monitor.

15. Write a short note on using USB to interface a mouse.

SECTION-C

16. What is the role of a device driver? Explain w.r.t. DOS-based system.

17. What is DMA? Explain its working in detail.

18. Explain the various steps to test serial and parallel ports.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.