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
Paper ID : [A2101]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION 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 DMA and its advantages?

2. How I/O port Addresses allows the software drivers to communicate with hardware devices on computer?

3. Discuss the features of ATA standards.

4. Compare SCI *vs*. IDE.

5. What does a video adapter do?

6. What are device drivers?

7. Write steps of troubleshooting of drivers.

8. How the serial port is tested?

9. What is IEEE 1394?

10. Write the types of graphics cards.

SECTION-B

11. Give general information on PCI, PCI-X and PCI Express Local Bus.

12. Explain the use of advanced 3D Technologies in CPI.

13. What are different types of Video cards and drivers?

14. What are ports? Explain steps of testing serial ports.

15. Write some aspects cost performance analysis while designing the system.

SECTION-C

16. Discuss the concept of Integrated Video/ Motherboard chipset with examples.

17. Which hardware devices are used for Designing and Integration of Peripheral device to a computer system?

18. What are device drivers? Discuss the role of drivers in UNIX operating System.