

Roll No.

Total No. of Pages : 2

Total No. of Questions : 09

B.Tech. (CSE) (Sem.-5)

COMPUTER PERIPHERALS AND INTERFACES

Subject Code : CS-311

Paper ID : [A0469]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

- 1. SECTION-A is COMPULSORY.**
- 2. Attempt any FOUR questions from SECTION-B.**
- 3. Attempt any TWO questions from SECTION-C.**

SECTION-A (10 × 2 = 20 Marks)

- (a) What do you mean by SCSI RAID and its significance?

(b) What do you mean by Local Bus?

(c) Explain PCIe?

(d) What do you mean by RAID?

(e) Differentiate between TFT and LCD?

(f) Can we use multiple monitors on one system?

(g) What are the signals involved in bus arbitration?

(h) What is the need of AGP?

(i) What do you mean by Plug and Play?

(j) UNIX stands for _____

SECTION-B (4 × 5 = 20 Marks)

2. Compare the performance and capabilities of VESA and PCI buses.

3. Discuss the terms IRQ and DMA channels.
4. What do you mean by RAID? Discuss various RAID Levels.
5. How many devices can be interfaced to IDE and EIDE standard interface? Also compare their characteristics.
6. Compare the Pros and Cons of SCSI v/s IDE.

SECTION-C

(2 × 10 = 20 Marks)

7. What are the steps involved in design and integration of devices to a computer system?
8. Explain in detail the video display technologies.
9. Write short notes on :
 - (a) DOS device drivers
 - (b) Parallel to SCSI Converter
 - (c) DVI interface.