ROLL No: [   ]   Total number of pages: 4
Total number of questions: 06

B.Tech. || CSE || 5thSem

Computer Peripherals and Interfaces

Subject Code: BTCS- 505

Paper ID:

Time allowed: 3 Hrs   Max Marks: 60

Important Instructions:

- All questions are compulsory
- Assume any missing data

PART A (2×10)

Q. 1. Short-Answer Questions: All COs
   (a) What is the purpose of IRQ?
   (b) Define persistence?
   (c) What do you mean by bus mastering? How it differ from DMA?
   (d) What is Graphics accelerator?
   (e) Discuss the functions of ATA RAID.
   (f) What do you mean by Plug and Play technique?
   (g) What is the need of serial data transmission?
   (h) Define the term video ram and its need.
   (i) What is the full form of ISA, PCI, MCA, and SCSI?
   (j) Compare fireware with USB.

PART B (8×5)

Q. 2. Name various types of I/O bus architectures used in PC. Explain in detail   (co4)
   EISA bus architecture.

                                   OR

   Name two high speed serial bus architectures used in desktop. Explain in
   detail there advantages and disadvantages.

Q. 3. What do you mean by RAID? Discuss ATA RAID.   (co1)

                                   OR

   Compare the performance and capabilities of IDE and SCSI interfaces.

Q. 4. Explain various types of video adapters and compare their resolution.   (co2)

                                   OR

   Compare features of EGA, VGA and SVGA display architectures.

Q. 5. What is the primary purpose of device driver? Explain UNIX and LINUX   (co3)
   device drives in detail.

                                   OR

   Explain and write various steps to design and integration of peripheral devices
   to a computer system

Compare features of CD, DVD and Blu-ray Disc.

Q. 6.   (co5)

OR

Explain any two storage peripheral devices in detail.