

**Computer Peripherals and Interfaces
(CS-311, Dec-07)**

Section-A

- 1). a). Define the term resource conflict?
- b). What is the difference between interlaced and non-interlaced resolution?
- c). What do you mean by SCSI RAID and its significance?
- d). Why do we need expansion slots? Name various types of slots available on motherboards.
- e). Define the term video RAM and its need?
- f). Describe the terms resolution and Dot-pitch.
- g). What is VFC? For what it is required?
- h). Can we use multiple monitors on one system? Justify your answer.
- i). What is Video driver and its function?
- j). What is TFT?

Section-B

- 2). Compare the performance and capabilities of VESA and PCI buses.
- 3). Differentiate between single ended SCSI and differential SCSI.
- 4). Discuss the advantages of USB technology over serial and parallel slots?
- 5). Discuss the terms IRQ and DMA channels.
- 6). Give the detailed specifications of a computer system, capable of running the multimedia applications.

Section-C

- 7). Explain in detail the architecture of video adapter card with the help of a block diagram.
- 8). Name various types of I/O bus architectures used in PC's. Explain in detail the EISA bus architecture.
- 9). Write short notes on any two
 - (a) DOS device drivers
 - (b) IEEE 1394 standard
 - (c) TV Tuner card