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