CS609 Systems Programming
July 16, 2011 Final

Descriptive Questions

2 Marks

1) Disadvantage of undocumented service of interrupts
2) Difference between programmed I/O and interrupt I/O
3) When delete file what happen to chain of cluster in FAT
4) Contiguous memory management
5) What is highest capacity of disk using IDE and extended Bios Function?

3 Marks

1) In which media storage head touches the surface of the disk and why?
2) How cross reference detects
3) Possible entries are there in FAT12 and FAT16
4) ISR (interrupt service routine) for EOI (end of interrupt) write the line of code for this in C
5) From where, in partition table's data part we can check the drive is bootable or not.

5 Marks

1) Why we convert cluster number to sector number
2) How LSN be translated into LBA
3) How chain of cluster managed in FAT12