

Total No. of printed pages = 2

Et-504/PCST/5th Sem/M/2013

## PC SYSTEM TECHNOLOGY

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks for the questions.

Answer any *five* questions.

1. (a) Enlist different components / parts found on a computer motherboard and give a brief description of each of them. 10
- (b) Differentiate between static RAM and dynamic RAM. 4
2. (a) State and explain the important specifications of Microprocessors used in PCs. 8
- (b) Define I/O port address, memory address, IRQ numbers and DMA channels. 6
3. (a) What is BIOS ? Explain its functions. 8
- (b) Bring out a brief comparison of MS-DOS and MS-Windows Operating System. 6

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4. Explain the construction and working of a hard disk drive. Also make a comparison between popular HDD interfacing.  $10+4=14$
5. Giving special reference to HDD partitioning and formatting, explain the method of OS installation. 14
6. (a) Define Pixels, Resolution, Dot Pitch, Refresh Rate and Aspect Ratio of a display monitor. 10
- (b) Mention the features of a latest display interfacing standards. 4
7. (a) Explain the working of optical storage devices. 8
- (b) Mention and explain the general characteristics of printers. 6
8. Write short notes on any *two* :  $7 \times 2 = 14$
- (a) External ports and connectors on a PC
- (b) Chipset
- (c) DOS Memory Management
- (d) Keyboards
- (e) PC-SMPS.