

Total number of printed pages-3

44 (2) ICTH 2.4 (N)

2015

ICT HARDWARE

Paper : 2.4

Full Marks : 80

Time : Three hours

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

1. (a) Give the technical difference between of Pentium III and Pentium IV (any four). 4
- (b) What is NTFS? How it is different from FAT? 4
- (c) Draw block diagram of Harddisk drive and explain track, sector, cylinder etc. 4
2. (a) Draw the functional block diagram of Pentium IV motherboard showing the components - Power connector, RAM, Chipset etc. 6

Contd.

- (b) Write the steps for installing a printer driver from internet for a particular model. 6
3. (a) Give *four* features of a graphical user interface. 4
- (b) Describe the working of flat bed scanner with suitable block diagram. 5
- (c) Differentiate CD and DVD (*any three* points). 3
4. (a) List and explain *any two* functions performed by SMPS. 4
- (b) How many bytes does each class of IP address use to represent network and host IDs? 4
- (c) Explain the format of various IP address classes considering network ID bits, host ID bits, multicast address bits and reserved bits. 4
5. Explain the history of Intel processor family from 8088 to 80586 12
6. (a) What is cache memory? How it helps in processing? 4

- (b) Explain the working principle of Network Interface Card (NIC) 4
- (c) Explain the concept of Virtual memory. 4

7. Write short notes on : (**any two**) 2×4=8
- (a) Optical media
- (b) I/O Box
- (c) Patch cord
- (d) Floppy disk