FOURTH SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/ TECHNOLOGY

COMPUTER SYSTEM HARDWARE

MODEL QUESTION PAPER   Time : 3 hours

(Maximum marks : 100)

Marks

PART – A

(Maximum marks : 10)

I Answer all questions in one or two sentences. Each question carries 2 marks.

1. List any two DRAM packages.

2. Name any two varieties of modern CPU

3. What is PATA ?

4. Define thick client.

5. Name any two input devices of a laptop.   (5 x 2 = 10)

PART – B

(Maximum Marks : 30)

II Answer any five of the following questions. Each question carries 6 marks.

1. Explain any three varieties of RAM.

2. Summarize the functions of BIOS.

3. Explain briefly on Disk duplexing.

4. Explain the features of Audio Video editing workstation.

5. Explain briefly on the procedure for installation and configuration of a printer to PC.

6. Summarize the features of Laptop

7. Explain touch screen technology.   (5 x 6 = 30)

PART – C

(Maximum marks : 60)

(Answer one full question from each module. Each question carries 15 marks)

MODULE – I

III   a. Explain any 3 major connectors of a PC   6

       b. Explain briefly on the characteristics of memory.   9

OR

IV   a. What is the role of device drivers?   7

       b.Explain the working of a motherboard   8

MODULE – II

V   a. Explain the procedure for partitioning and formatting a hard disk.   9

     b. Compare any two hard drive interfaces.   6

OR

VI   a. Explain any three connectors of Power supplies.   9

     b. What is disk mirroring.   6

MODULE – III

VII a. Summarize the features of Gaming PCs   7

      b. Compare thick client and thin client   8

OR

VIII a. Explain briefly on any two printer types.   8

      b. Explain features of biometric devices   7

MODULE – IV

IX a. Explain briefly on motherboards and processors of laptop.   9

     b. Explain any two input devices of a Laptop.   6

OR

X   a. Explain the procedure for disassembling and reassembling of laptops.   8

    b. Explain briefly on Tablet PCs.   7