DCHN-03

December - Examination 2015

DCHN Examination

Elements of Computer Hardware

Paper - DCHN-03

Time : 3 Hours]   **[Max. Marks :- 100**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A   10 x 2 = 20
(Very Short Answer Questions)

Note: Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks.

1)   (i)   What is light pen?

    (ii)   What is printer?

    (iii)   What is work of TFT?

    (iv)   What is memory socket?

    (v)   Write any two front panel connectors.

    (vi)   What is meaning of MCA?

(vii) Write any two benefits of BUSES.

(viii) What is UPS?

(ix) What is the meaning of term SMPS?

(x) What is joystick?

Section - B   4 x 10 = 40
(Short Answer Questions)

Note: Answer any four questions. Each answer should not exceed 200 words. Each question carries 10 marks.

2) Discuss the output device-monitor with block diagram.

3) How ATX power supply works?

4) Discuss SMPS shortly.

5) Explain the working of power supply fan and fuse.

6) Discuss different types of motherboard.

7) Describe differences between optical and hard disk drives.

8) Describe working of USB flash drive.

9) What is the difference between ISA, EISA, VESA buses?

Section - C   2 x 20 = 40

(Long Answer Questions)

Note: Answer any two questions. You have to delimit your answer maximum up to 500 words. Each question carries 20 marks.

10) Explain the working of CMOS battery on mother board.

11) Explain the working of un-interrupted power supply with its neat and clean sketch.

12) Explain the working of CRT and TFT (LCD) monitor.

13) Explain all the input devices with their functionability with monitor or CPU.

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