PGDCAA/DCA/CCA - 01

December - Examination 2015

PGDCAA/DCA/CCA Examination

Basics of Computer

Paper - PGDCAA/DCA/CCA - 01

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 $10 \times 2 = 20$

(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 word. Each question carries 2 marks.

1) (i) What is system software ?

(ii) Name three input devices.

(iii) What is the base of Hexadecimal number ?

(iv) What is the need of register ?

(v) Draw the representation of Logical AND gate ?

(vi) Convert $(1100010)_2$ to $(?)_8$.

(vii) What is the full form of ASCII ?

(viii) The control unit and ALU of the computer are together known as ?

(ix) Which software is used to prevent, detect and remove malware ?

(x) Compare program and process.

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) Explain the memory hierarchy in detail.

3) Explain the basic of functionality of operating system.

4) Discuss the desktop option available on Windows Operating system.

5) What are the basic operations of XOR Gate ? Explain with example.

6) What is process management ?

7) Compare CUI and GUI.

8) Explain LAN, MAN, WAN.

9) Convert the following :

   (i) $(1100101110)_2$ to $(?)_4$

   (ii) $(32112)_8$ to $(?)_2$

Section - C   2 x 20 = 40

(Long Answer Questions)

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

10) What do you mean by Operating System ? Compare Dos Operating System and Windows Operating System.

11) Explain about different units of the computer system in brief with the help of the block diagram of Computer System.

12) What is classification of computers on the basis of speed and memory ?

13) What is computer language ? Explain various types of Computer Language.

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