PGDCAA / DCA / CCA-01

June - Examination 2016

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 × 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 upto 30 words. Each question carries 2 marks.

1) (i) What is application software?

   (ii) What are output devices?

   (iii) What are the different storage devices?

   (iv) What are the base value of binary octal and hexadecimal number system? Also give example of each.

   (v) What is logic gate?

   (vi) Name any three operating systems.

   (vii) What is process?

(viii) What is memory cell?

(ix) What is full form of MS DOS?

(x) What are the different types of logic gates?

Section - B $4 \times 10 = 40$

(Short Answer Questions)

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

2) What is primary and secondary memory? Explain.

3) What is an operating system? What are the different types of operating system?

4) How memory is managed by an operating system? Explain different memory management techniques.

5) What are the features of linux operating system?

6) Explain different types of printers.

7) Convert the following:

   (i) $11010011_2 = (?)_{16}$

   (ii) $545_6 = (?)_4$

   (iii) $1715_{10} = (?)_{12}$

   (iv) $100_{10} = (?)_2$

   (v) $428_{10} = (?)_{16}$

8) Explain any two input devices.

9) Explain different types of logic gates with their truth table and diagram.

Section - C $2 \times 20 = 40$

(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) Explain the features of windows operating system? How does it differ from DOS operating system?

11) What is computer? What are the characteristics of a computer system? Draw a block diagram of the computer system.

12) What is file system? What are the different types of file system?

13) Explain all the generations of computer system.

———