BCA-01/DCA-101

June - Examination 2018

BCA Pt. I/DCA Examination

Introduction to Computer Science

Paper - BCA-01/DCA-101

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 upto 30 words. Each question carries 2 marks.

1)   (i)   Which DOS command is used to clear the screen?

     (ii)   With respect to data communication PCM stands for _____?

     (iii)   Explain the utility of recycle bin in Windows operating system.

     (iv)   What is significance of term asymmetric in ADSL?

     (v)   DOS is a _____ (CUI/GUI) based operating system.

(vi) In electronic payment system, the term ATM stands for _____?

(vii) What is a web browser?

(viii) Give an example of magnetic storage.

(ix) ASCII stands for _____

(x) Which dos command can be alternatively used to delete file, instead of del command?

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) (i) What are external and internal commands in DOS?
   (ii) How impact printers are different from non-impact printers?

3) (i) Differentiate between CUI and GUI.
   (ii) With respect to E-commerce, explain the terms E-CASH and E-CHEQUE.

4) Compare simplex, half duplex and full duplex modes of communication with suitable example.

5) Explain various levels of memory hierarchy.

6) Why are computer codes needed, also explain BCD code in detail with suitable example.

7) (i) Explain the terms viruses and firewalls.
   (ii) Explain leased line connection with its advantages.

8) (i) Explain how briefcase is useful component of WINDOWS?
   (ii) What are characteristics of MIS?

9) (i) Explain three basic security principles?
   (ii) Differentiate between MAN and WAN.

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) (i) Explain block diagram of computer in detail, with suitable diagram.
    (ii) What are various advantages of computer?
    (iii) Differentiate between application software and system software.

11) (i) What is meant by disk allocation? Explain various disk allocation methods?
    (ii) Describe OMR and OCR.

12) (i) Classify various types of operating systems.
    (ii) What are various advantages of E-COMMERCE?

13) (i) Give a brief description of structure of MIS.
    (ii) With respect to cryptography, explain following terms
        (a) Digital Signature
        (b) Smart Technology

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