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**BCA-01/DCA-101**

**December – Examination 2020**

**BCA (Part I)/DCA Examination**

**Introduction to Computer Science**

**Paper : BCA-01/DCA-101**

*Time : 2 Hours ]*

*[ Maximum Marks : 70*

*Note :-* The question paper is divided into two Sections A and B. Write answers as per given instructions.

**Section-A**

**7×2=14**

**(Very Short Answer Type 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) A computer that process both analog and digital data is called .....
- (ii) What is meaning of volatile memory ? Is RAM considered as volatile memory ?

- (iii) Name the different states of process.
- (iv) What is use of MD command in MS-DOS ?
- (v) What is Modulation ?
- (vi) ..... is a software used to prevent, detect and remove malware.
- (vii) Define MIS.

**Section-B**

**4×14=56**

**(Short Answer Type Questions)**

**Note** :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 14 marks.

- 2. Explain the architecture of computer system with suitable diagram.
- 3. (i) Compare impact and non-impact printers, giving suitable example for each.
- (ii) Write short notes on the following input devices :
  - (a) Scanner
  - (b) OMR
  - (c) OCR
  - (d) Bar Code Reader

- 4. What is need for computer codes ? Also write in brief about ASCII codes.
- 5. Explain different disk allocation methods.
- 6. Compare different modes of communication and give suitable example for each.
- 7. Explain different security principles.
- 8. What is digital signature and how is it useful in cryptography ?
- 9. Explain the different functions of MIS.