

6. What are the advantages of E-commerce ? What are security threats to E-commerce ?
7. What are the functions of the Operating System ?
Give the classification of Operating System.
8. What is Memory Hierarchy ? Discuss in brief.
9. What is a Computer Network ? Compare among LAN, MAN and WAN.

BCA-01/DCA-101
December – Examination 2021
BCA (Part I)/DCA Examination
Introduction to Computer Science
Paper : BCA-01/DCA-101

Time : 1½ Hours]

[Maximum Marks : 70

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

Section-A

4×3½=14

(Very Short Answer Type Questions)

Note :- Answer any *four* 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 3½ marks.

1. (i) Name the major components of the CPU ?

Also highlight its functionality.

(ii) Distinguish between RAM and ROM.

(iii) Explain the terms Plain Text and Cipher Text with respect to Cryptography.

(iv) What is the role of MIS ?

(v) Why are Memory Management Algorithms used by Operating Systems ? Explain with an example.

(vi) Differentiate Digital Signals and Analog Signals.

(vii) Discuss the various modes of Communication.

(viii) What is the use of Recycle Bin in Windows Operating System ?

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 the computer with a neat diagram.

3. How Digital Signature are used for authentication ? Explain with a suitable example.

4. What is Printer ? Discuss the various categories of Printer in detail.

5. Explain in brief about the following input devices :

(a) Joystick

(b) Trackball

(c) Scanner

(d) Mouse