

# BCA-01/DCA-101

June – Examination 2022

## 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) What is a Register ? Write its uses.
- (ii) What is Cache Memory ?
- (iii) Define the algorithm with an example.

- (iv) Define the intranet, internet and extranet.
- (v) Write the uses of the Operating System.
- (vi) What is Application Software ?
- (vii) Define virtual memory with an example.
- (viii) Write the role of MIS in an industry.

**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 von Neumann architecture with a neat sketch diagram.
- 3. Define the following terms :
  - (a) Time-sharing operating system
  - (b) Real-time operating system
- 4. What are the bases of binary, decimal, octal and hexadecimal numbers ?
- 5. Define LAN, WAN and MAN with an example.
- 6. Explain memory and its type with an example.

- 7. How e-Commerce plays an important role in 'profitability' for industries ? Explain.
- 8. Explain the input and output devices of the computer system.
- 9. Explain the following :
  - (a) File system
  - (b) Cryptography