

BCA-01/DCA-01

December - Examination 2025

BCA (Part-I)/DCA Examination

INTRODUCTION TO COMPUTER SCIENCE

Paper : BCA-01/DCA-01

[Time: 3 Hours]

[Maximum Marks: 70]

Note :- The question paper is divided into three Sections A, B and C. Write answers as per the 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) Which component is called the brain of the computer?
- (ii) What is the function of control unit?
- (iii) What is primary memory?
- (iv) Convert binary 1010 to decimal.
- (v) Name 2 GUI and 2 CUI operating system.
- (vi) What is the use of COPY and DEL commands in DOS?
- (vii) What is the use of control panel?

Section-B

4×7=28

(Short Answer Type Questions)

Note :- Answer **any four** questions. Each answer should not exceed **200** words. Each question carries **7** marks.

2. Explain the basic components of a computer system.
3. Differentiate between binary and hexadecimal number system.
4. What is file management? List the common file operations.
5. Write a short note on file handling commands in DOS.
6. What is the difference between wired and wireless communication?
7. What is a search engine? How does it work?
8. Define encryption and decryption. Why these are important in communication?
9. What is MIS? Explain its components.

Section-C

2×14=28

(Long Answer Type Questions)

Note :- Answer **any two** questions. You have to delimit your each answer maximum up to **500** words. Each question carries **14** marks.

10. Write a detailed note on the evolution and generations of computers.
11. Explain the types of printers and their characteristics.
12. What are computer number system? Explain binary, octal, decimal and hexadecimal systems with conversion example.
13. Explain the working of the Internet. How does a user access a website using a browser?
