

BCA-06

December – Examination 2023
BCA (Part I) Examination
Programming in 'C'
Paper : BCA-06

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) What is data type ?
- (ii) Define function in C.

- (iii) C is a case sensitive language. Why ?
- (iv) Explain keywords.
- (v) What is array ?
- (vi) Define preprocessor.
- (vii) What is pointers in C ?

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. Differentiate between while and do while loop.
3. Write a C program to find the factorial of a given number.
4. Write short notes on :
 - (i) Call by value
 - (ii) Call by reference
5. Difference between structure and union.
6. Write any two operation of file handling with suitable example.
7. Explain bubble sort in C with example.

8. Write about Input-Output statement. Also explain Formatted I/O and Unformatted I/O functions.
9. Discuss decision control statement.

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. Discuss different types of an array with example.
11. Write short note on :
 - (i) Dynamic Memory Allocation
 - (ii) Macro Substitution Directives
12. What is loop ? Write a program using for loop.
13. What is flow chart ? Explain different building blocks of flow chart.