

BCA Sem.-1 Examination

CC 102

Introduction to Programming Languages Using C

December-2025

[Max. Marks : 70]

Time : 2-30 Hours]

NOTE :

1. Figures to the right indicate maximum marks.
2. Begin new question from new page.

Q-1.

- (A) Explain the basic structure of C program. [07]
 (B) Write an algorithm and draw a flowchart to find sum of first 10 numbers. [07]

OR

Q-1

- (A) Explain (a) constants (b) identifiers (c) Keywords [07]
 (B) Write limitations and features of different programming languages [07]

Q-2

- (A) Explain nested if and else if ladder statement in detail. [07]
 (B) Explain switch statement with example. [07]

OR

Q-2.

- (A) Explain: printf (), scanf () with example [07]
 (B) Explain logical operators in detail. [07]

Q-3.

- (A) Explain goto and exit statement. [07]
 (B) Discuss While and Do while loop [07]

OR

Q-3.

- (A) Discuss the use of break and continue [07]
 (B) Define an array with example. Give example of a 2 dimensional array. [07]

Q-4.

- (A) Explain various components of a user defined function. [07]
 (B) Explain various storage classes. [07]

OR

- (A) Define a string. Explain any two string functions. [07]
 (B) Write a short note on recursion. [07]

Q-5. **Attempt Any 7.** [14]

1. Write and explain any 2 symbols used in flowchart.
2. Write the full form of ANSI.
3. The order of C program execution is CREATE->COMPILE->LINK->EXECUTE. (TRUE/FALSE).
4. To use mathematical functions in C language , we need the header file math.h (TRUE/FALSE)
5. When we have multiple options, switch statement is more appropriate. (TRUE/FALSE)
6. Give example of a unary operator.
7. While loop will be executed atleast one time. (TRUE/FALSE).
8. The definition int [10]arral is a correct way to define an array. (TRUE/FALSE)
9. FOR statement is an entry controlled loop. (TRUE/FALSE)
10. Name any one storage class.
11. Define a string called mystring, which will store the qualification of a person.
12. What is a nested function?

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