

B.C.A Semester - 1 (CBCS) Examination
Oct/Nov-2025 (New Course)
PROGRAMMING IN C(CORE)

Time: 2:30 Hours**Marks:70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1 (A) Answer the following questions. (03)
- 1) What is constant?
 - 2) What is identifier?
 - 3) List out logical operators.
- Que.1 (B) Answer the following questions. (Any Two) (06)
- 1) What is relational operators? List out different relational operators and explain it.
 - 2) What is algorithm? Explain with example.
 - 3) What is flow chart? List out different symbols and its meaning which are used in flow chart.
 - 4) Explain various computer languages.
- Que.1 (C) Answer the following questions. (Any One) (05)
- 1) Explain different data types in C language.
 - 2) What is pre-processor? List out pre-processors and explain any one with example.
- Que.2 (A) Answer the following questions. (03)
- 1) _____ loop is exit control loop.
 - 2) What is decision structure?
 - 3) Give syntax of: GOTO statement.
- Que.2 (B) Answer the following questions. (Any Two) (06)
- 1) Explain break statement with example.
 - 2) Explain multiple if statements with example.
 - 3) Explain ternary operator with example.
 - 4) Explain continue statement with example.
- Que.2 (C) Answer the following questions. (Any One) (05)
- 1) Explain nesting of loop with example.
 - 2) Explain switch case statement with example
- Que.3 (A) Answer the following questions. (03)
- 1) What is header file?
 - 2) What is library function in C language?
 - 3) What is recursion?

- Que.3 (B) Answer the following questions. (Any Two) (06)
- 1) List out string handling functions and explain any two with example.
 - 2) List out date and time handling functions and explain any two with example.
 - 3) List out mathematical functions and explain any two with example.
 - 4) Explain different storage classes.
- Que.3 (C) Answer the following questions (Any One) (05)
- 1) What is UDF? Explain any type of UDF with example.
 - 2) What is call by value and call by reference? Explain it.
- Que.4 (A) Answer the following questions (03)
- 1) What is nested structure?
 - 2) Explain initialization of structure variable.
 - 3) How we can create 2D array for storing 5 names of Students?
- Que.4 (B) Answer the following questions. (Any Two) (06)
- 1) What is String Array? Explain with proper example.
 - 2) What is array within Structure? Explain it.
 - 3) Differentiate: Structure v/s Union
 - 4) Explain passing array to function.
- Que.4 (C) Answer the following questions. (Any One) (05)
- 1) What is structure? Why we used it? Explain its advantages.
 - 2) Explain different types of an Array.
- Que.5 (A) Answer the following questions. (03)
- 1) _____ function is use to open file in C.
 - 2) List out function for write data in file.
 - 3) List out function for read data from file.
- Que.5 (B) Answer the following questions (Any Two) (06)
- 1) Explain pointer to array.
 - 2) Explain pointer to Structure.
 - 3) Explain importance of file handling in C.
 - 4) Explain pointer to pointer.
- Que.5 (C) Answer the following questions. (Any One) (05)
- 1) Explain different modes of opening file in C.
 - 2) Explain command line argument with example.
