Reg. No. : ....

Name : ....

First Semester B.C.A. Degree (C.B.C.S.S. – O.B.E.-Supplementary) Examination, November 2025
(2019 to 2023 Admissions)
Core Course
1B01BCA : PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 40

PART – A
Short Answer

Answer **all** questions.

(6×1=6)

1. What are the rules to declare a variable in C ?

2. Write a function in C to input a character from keyboard.

3. What do you mean by global variable ?

4. What do you mean by top-down programming approach ?

5. Explain the statement #define a 10.

6. Name a C function to read characters from a file.

PART – B
Short Essay

Answer **any 6** questions.

(6×2=12)

7. List out the uses of flowchart.

8. Write an algorithm to find roots of quadratic equation.

9. Compare break and continue statement in C.

10. What do you mean by recursion ?

P.T.O.

11. Write syntax to declare an array in C.

12. What do you mean by binary file ?

13. Write C program to find largest among n numbers.

14. Write note on pointers in C.

PART – C
Essay

Answer **any 4** questions.   (4×3=12)

15. Briefly explain various data types in C.

16. Write a C program to generate Fibonacci series.

17. Explain any 4 string handling functions in C.

18. Short note on structures in C.

19. Explain with an example the concept of command line arguments.

20. Explain malloc and calloc functions in C.

PART – D
Long Essay

Answer **any 2** questions.   (2×5=10)

21. Describe various operators in C.

22. Explain with example branching and looping statements in C.

23. Explain user defined functions in C with suitable examples.

24. Explain various file handling mechanisms in C.