

(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2025-26 ONLY)

SUBJECT CODE

25UBC101

REG.NO. :

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI**  
**END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2025**

**B.C.A**

**MAXIMUM MARKS: 75**

**SEMESTER: I**

**TIME : 3 HOURS**

**PART – III**  
**PROGRAMMING IN C**

**SECTION – A**

**(10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**K1**

1. Who is the father of C language?

- a) Steve Jobs                      b) James Gosling                      c) Dennis Ritchie                      d) Rasmus Lerdorf

2. \_\_\_\_\_ is used to repeatedly execute a block of code in C.

- a) for loop                      b) if statement                      c) goto                      d) while loop

3. Functions in C Language are always \_\_\_\_\_

- a) Internal                      b) External                      c) Both (a) & (b)                      d) none of these

4. What is a keyword used to define a structure in C?

- a) struct                      b) class                      c) object                      d) record

5. Which function is used to open a file in C?

- a) fopen()                      b) open()                      c) writefile()                      d) createfile()

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.**

**K2**

6. List the bitwise operators in C.

7. Recall GOTO statement.

8. Define User -defined Functions.

9. Define Union.

10. Define a File.

**SECTION – B**

**(5 X 5 = 25 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. K3**

11. a) Write about Type Conversion with necessary example.

**(OR)**

b) Define and explain Operator Precedence and its necessity with an example.

12. a) Brief Switch Statement with example.

**(OR)**

b) Explain Jump Statements.

**(CONTD.....2)**

13.a) Interpret the concept of strings.

(OR)

b) Describe the scope of variable used in functions.

14. a) Compare Arrays with Pointers.

(OR)

b) Compare the structures and unions.

15.a) Discover the characteristics of Random Access Files.

(OR)

b) Find the file opening modes.

### SECTION – C

(5 X 8 = 40 MARKS)

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.**

16. a) Write a summary on C data types.

(OR)

b) Discuss the types of Operators with examples.

17. a) Discuss the various types of 'if' statement.

(OR)

b) Explain a. While loop b. For loop.

18. a) Interpret the concept of arrays and its types.

(OR)

b) Write a program to generate factorial of a given number using parameters and return type.

19. a) Elaborate Structures, with an example program.

(OR)

b) Discuss the Pointers with an example.

20. a) Elaborate Files and its Operations.

(OR)

b) Write a file program to copy the contents from File1 to File 2.