

**(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2024 ONLY)**

**24UBC101**

**REG.NO. :**

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI**

**END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2024**

**COURSE NAME: 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. Define Variable.
7. List the loop statements in C.
8. What is an array?
9. Define and declare a pointer variable in C.
10. Write down the file handling functions.

**SECTION – B**

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

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

**(K3)**

11. a) Evaluate the basic structure of C program.  
**(OR)**  
b) Write a short note on C tokens.
12. a) Explain the formatted input.  
**(OR)**  
b) Discuss the Goto statements in C.
13. a) How to declare Multi-dimensional arrays? Explain.  
**(OR)**  
b) What is function? Why is it needed?

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

14.a) Write down the advantages of declaring the void pointer.

**(OR)**

b) Summarize some applications of array of pointers.

15.a) Explain the Closing a File.

**(OR)**

b) Compute Error Handling during I/O Operations.

**SECTION – C**

**(5 X 8 = 40 MARKS)**

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

**(K4 (Or) K5)**

16. a) Discuss all the data types in C.

**(OR)**

b) Explain the operators in C.

17.a) Criticize the Decision Making and Branching in C.

**(OR)**

b) Write a C program to explain the concept of do while loop.

18. a) Demonstrate the most commonly used string handling functions.

**(OR)**

b) Explain the Call by value in a Function.

19.a) Compare and contrast between structures and unions.

**(OR)**

b) How to access a variable through its pointer? Explain.

20. a) Determine the Input Output Operation on Files.

**(OR)**

b) Explain in detail Random Access Files.

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