**(FOR THE CANDIDATES ADMITTED 22UBC101
DURING THE ACADEMIC YEAR 2022 ONLY)**

22UBC101

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS): POLLACHI
END-OF-SEMESTER EXAMINATIONS: DECEMBER-2022
COURSE NAME: B.C.A   **MAXIMUM MARKS: 50**
SEMESTER: I   **TIME: 3 HOURS**

PART - III

PROGRAMMING IN C

SECTION – A   (10 X 1 = 10 MARKS)
ANSWER THE FOLLOWING QUESTIONS.   (K1)
MULTIPLE CHOICE QUESTIONS.

1. Which of the following operating system has been written in C?
    a) Unix   b) MAC   c) IOS   d) Win X.0

2. Which of the following is an exit control loop?
    a) While   b) Do-While   c) Goto   d) if

3. The array elements are stored in _____ memory location .
    a) Random   b) Register   c) Sequential   d) distributed

4. _____ is a variable that hold the address of the variable.
    a) Register   b) Union   c) Structure   d) pointer

5._____ mode opens the existing file for appending.
    a) a+   b) w+   c) r+   d) n+

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. (K2)
6. Define number Constant.
7. Write an example for iteration statement in C.
8. Define Function Parameters .
9. What is structure?
10. Write syntax to declare a file pointer.

SECTION – B   (5 X 3 = 15 MARKS)
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Examine the structure of C-Programming.
                        (OR)
    b) Show the rules for variables declared in C with example.

12.a) Explain the while and do-while statement with example.
                        (OR)
    b)   Explain the switch case statement with example.

13. a) Limitations of using an array .
                        (OR)
    b) How can we call, define and declare a function?

14.a) Differentiate structures and union.

(OR)

   b) How can we use arithmetic operators on pointers? Give example.

15. a) How can we define and open a file in C?

(OR)

   b) What is Exception and how can we handle an exception?

SECTION – C   (5 X 5 = 25 MARKS)
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)

16. a) Compare the different operators in C.   **(K4)**

(OR)

   b) What are the rules applied to handle the expression such as (a+b+c) mixture of
       variables types in expression?   **(K5)**

17.a) List and discuss the I/O functions that are the part of "stdio" library in detail.   **(K5)**

(OR)

   b) Evaluate the flow of Decision making statement with example.   **(K5)**

18. a) Discuss on using multidimensional array and how can we initialize it?Explain. **(K5)**

(OR)

   b) Summarise the usage and Syntax of any five string handlings functions in
       C with examples.   **(K5)**

19.a) Prepare a note with example how structures can be declared and initialized in C.**(K5)**

(OR)

   b) Discuss the concepts of pointers and pointer Arithmetic in C.   **(K5)**

20.a) Explain in detail the I/O operations in file.   **(K5)**

(OR)

   b) Explain the Random Access Files in detail.   **(K5)**

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