(FOR THE CANDIDATES ADMITTED DURING THE ACADEMIC YEAR 2022 ONLY)

REG.NO

NGM COLLEGE (AUTONOMOUS) POLLACHI

END-OF-SEMESTER EXAMINATIONS: DECEMBER- 2022

B. Sc - Computer Science (Aided & SF)   **MAXIMUM MARKS: 50**

I SEMESTER   **TIME: 3 HOURS**

PART - III

C PROGRAMMING

SECTION – A   (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.   **(K1)**

1.   C language was developed by _____
      a) Dennis Rechard   b) Dennis M.Ritchie
      c) Bjarne Stroustrup   d) Anders Hejlsberg

2.   Which of the following are valid decision _____ making statements in c?
      a) if   b) switch   c) nested if   d) all of these

3.   Any c program _____
      a) Must contain at least one function   b) need not function
      c) Need input data   d) None

4.   How will you print \n on the sscreen?
      a) printf("\n");   b) echo "\\n";   c) priintf('\n');   d) priintf("\\n");

5.   fflush (NULL) flushes all _____
      a) input streams   b) output streams   c) previous contents   d) appended text

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES   **(K2)**

6.   Define keywords.

7.   What is an array?

8.   Why do we need a function?

9.   What is a string.

10.   What is a file.

SECTION – B   (5 X 3 = 15 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(Qn. No. 11 to 15 Questions for Short Answers with internal choices)   **(K3)**

11.   a) Illustrate various types in C

                              (OR)

       b) Describe formatted input.

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12.   a) Illustrate for statement with example.

(OR)

b) Demonstrate two dimensional array

13.   a) Describe user defined functions

(OR)

b) Explain nesting of functions

14.   a) Illustrate declaring & initializing string variables

(OR)

b) Describe pointers to functions

15.   a) Illustrate the functions used for closing a file

(OR)

b) Demonstrate macro substitution

SECTION – C   (5 X 5 = 25 MARKS)
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(Qn. No. 16 to 20 Questions for Long Answers with internal choices   (K4 (Or) K5)

16.   a) Elucidate History and importance of C language.

(OR)

b) Classify the operators in c.

17.   a) Summarize precedence of arithmetic operators.

(OR)

b) Briefly explain about type conversion in expression.

18.   a) Illustrate control statement with example.

(OR)

b) Explain structures and unions.

19.   a) Summarize categories of functions.

(OR)

b) Write a C Program to perform recursive function.

20.   a) Evaluate string handling function

(OR)

b) Write a C program to use array of pointers.

A-11   *************************

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