

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

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22UDA101

REG.NO

# **NGM COLLEGE (AUTONOMOUS) POLLACHI**

## **END-OF-SEMESTER EXAMINATIONS: DECEMBER- 2022**

## **B. Sc Computer Science with Data Analytics**

## **MAXIMUM MARKS: 50**

## I SEMESTER

**TIME: 3 HOURS**

## PART - III

## PROGRAMMING IN 'C'

## **SECTION – A**

(10 X 1 = 10 MARKS)

## **ANSWER THE FOLLOWING QUESTIONS.**

(K1)

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

(K2)

6. Define variable
7. Illustrate the increment and decrement operator.
8. Explain the necessity of braces in if statement.
9. Define Union
10. Explain the array Pointer.

**SECTION – B** (5 X 3 = 15 MARKS)

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

(On No. 11 to 15 Questions for Short Answers with internal choices) (K3)

Qn. No. 11 to 15 Questions for Short Answer

ture of  
(OR)

b) List the C character set with appropriate example.

(CONT'D....2)

12. a) Describe the Type conversion expression with example.  
**(OR)**  
 b) Examine the mathematical functions with neat example.

13. a) Describe the Switch case statement with neat example .  
**(OR)**  
 b) What is an array? Explain how an array can be declared in c program.

14. a) Interpret function calls.  
**(OR)**  
 b) What is recursion? Explain with an example.

15. a) Describe the array of pointers with relevant example.  
**(OR)**  
 b) Examine how read and write functions are used in file stream.

**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) Determine the features of primary data types and user defined data types in C.  
**(OR)**  
 b) Define keyword. Explain different types of keyword used in c language.

17. a) Classify the Operator. Explain about the Various types of Operators used in C with suitable Examples.  
**(OR)**  
 b) Investigate the unformatted Input and output functions with proper examples.

18. a) Summarise decision making statements in C language.  
**(OR)**  
 b) Analyze One dimensional and Two dimensional array with example.

19. a) Determine different types of user defined function used in c language.  
**(OR)**  
 b) Criticise the different types of string library functions with neat example.

20. a) Appraise the pointer and strings in c language.  
**(OR)**  
 b) Summarize the various statements used in file input/output operations.