

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

(NO OF PAGES: 2)

22UIT101

REG.NO

NGM COLLEGE (AUTONOMOUS) POLLACHI
END-OF-SEMESTER EXAMINATIONS: DECEMBER- 2022

B. Sc –Information Technology

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)

1. _____ in C refer to fixed values that do not change during the execution of a program.
a) Constants b) Variables c) Arrays d) Identifiers
2. _____ is a two way decision statement in C.
a) Goto b) if – Else c) switch d) while
3. _____ is an array of Characters.
a) File b) Float c) String d) Integer
4. A _____ is a self-contained block of code that performs a particular task.
a) Pointer b) Function c) File d) Array
5. The set of related records is called _____.
a) Array b) Pointer c) File d) Streams

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

6. Define Variable
7. Write the syntax of “for” statement
8. What is the use of * operator?
9. Grouping data of different data types of data in one name is known as?
10. What is meant by Command Line Argument?

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) Describe in detail the various data types in C
(OR)
b) Explain about the variables and state the rules for defining variables

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12. a) Describe the “Switch” statement with suitable example program.
(OR)
b) Point out the syntax for Do-while statement and explain it in detail.
13. a) Discover in detail the two dimensional arrays in C.
(OR)
b) How to declare and initialize pointers in C? Explain
14. a) Describe in detail the functions in C Programming.
(OR)
b) Explain the Structures within Structures in C
15. a) Describe The fseek() function for file handling in C
(OR)
b) Write in detail about the Pre-processor directives and #Define directive.

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) Summarise the various types of operator in C and explain with example
(OR)
b) Discuss the Structure of a C Program with sample program.
17. a) Explain in details the various types of If statements
(OR)
b) Discuss for and while Loop Statements with example code
18. a) Outline the String Handling in C language.
(OR)
b) Discuss in detail the Arrays and its characteristics.
19. a) Discuss the usages of Structures and Unions with example program.
(OR)
b) What are the types of arg functions ? Explain any two.
20. a) Describe the various file operations in C.
(OR)
b) Discuss in detail the Command Line Arguments in C with example code.