

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2023 ONLY)

SUBJECT CODE **23UIT101**
REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS), POLLACHI
END-OF-SEMESTER EXAMINATIONS: NOVEMBER 2023

B.Sc. INFORMATION TECHNOLOGY
SEMESTER I

MAXIMUM MARKS: 75
TIME : 3 HOURS

PART - III

23UIT101 –PROGRAMMING IN C

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. (K1)

- _____ in C may take different values at different times during execution
a) Constant b) Variables c) Arrays d) Identifiers
- _____ and _____ are the two Entry Control Loop statement in C.
a) For - While b) While - Do-While c) Switch - for d) For - Do-while
- An Array is a collection of variables of _____
a) Similar data types b) Various data types
c) Integer Data types d) Character data types
- The member variable of a structure is accessed by _____
a) '.' dot operator b) -> c) & d) *
- The argument, that counts the no of arguments, in the command line argument is _____
a) argc b) argv c) argb d) arga

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

- Define Identifiers
- Write the syntax of do while statement
- What is meant by String in C?
- What is meant by Structures?
- What is the syntax of #define Directive?

SECTION – B (5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

- a) Describe in detail the Variables and state the rules for defining variables
(OR)
b) Narrate in detail the structure of a C Program

(COND..2)

12. a) Describe in detail about If -Else statement:
(OR)
b) Explain in detail about the “Switch” statement in C.
13. a) Discover in detail any five Standard String functions in C.
(OR)
b) Explain about features and declaration of pointers in C
14. a) Describe the Function definition and the Return Statement in C
(OR)
b) Explain in detail about the declaration and initialization of Structures in C.
15. a) Describe in detail about Read and Write operations in File Handling.
(OR)
b) Write in detail about the Pre-processor directives and #define directive.

SECTION – C**(5 X 8 = 40 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K4)**

16. a) Summarise the various types of operator in C and explain with an example
(OR)
b) Discuss the various data types in C.
17. a) Explain in detail the for and Nested- for Statements in C.
(OR)
b) Discuss about While and do-While Loop Statements
18. a) Outline in detail the following with sample coding
i) Pointer and Arrays - 4 marks
ii) Arithmetic operations on pointer - 4 marks
(OR)
b) Discuss in detail about the Arrays and its characteristics.
19. a) Outline about the Structures in C with example.
(OR)
b) List out the types of functions in C and explain any two in detail.
20. a) Summarize the Steps to do file operations in C.
(OR)
b) Elaborate in detail about the Command Line Arguments in C.
