

(FOR THE CANDIDATES ADMITTED

SUBJET CODE

22 UCT 101

DURING THE ACADEMIC YEAR 2022-23 ONLY)

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : DECEMBER – 2022

B.Sc. – COMPUTER TECHNOLOGY

MAXIMUM MARKS: 50

SEMESTER

TIME : 3 HOURS

PART - III

CORE I: PROGRAMMING IN C

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Which of the following cannot be a variable name in C?
 - a. Volatile
 - b. True
 - c. Friend
 - d. export
2. What is an example of iteration in C?
 - a. For
 - b. while
 - c. do-while
 - d. all the above
3. Functions can return enumeration constants in C?
 - a. true
 - b. false
 - c. depends on the compiler
 - d. depends on the standard
4. Strings handling functions are defined under
 - a. String.h
 - b. Str.h
 - b. Stdio.h
 - d. Char.h
5. What is meant by 'a' in the following C statement ? `fp=fopen("Random.txt","a");`
 - a. Attach
 - c. Append
 - b. Apprehend
 - d. Add

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Classify different types of constant.
7. Construct Goto statement with example.
8. Define pointer in c programming
9. Explain the use of `strlen()`
10. Explain the function of "r" in file handling

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

11. a) List down the features of C programming
(OR)
b) Explain type conversion with an example.
12. a) Construct if Else Ladder Statement with example.
(OR)
b) Explain the working principle of for LOOP.
13. a) List the function definition structure.
(OR)
b) Explain the uses of Nesting functions.
14. a) List the steps in write String to Screen.
(OR)
b) How to read string from terminal?
15. a) Explain the features of command line arguments
(OR)
b) How to open a file in C? Explain.

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

16. a) List the rules of defining a variable.
(OR)
b) Discuss operator precedence in c.
17. a) Construct while statement with example
(OR)
b) Demonstrate Two dimensional arrays with example.
18. a) Discuss recursion with example.
(OR)
b) Outline the Elements of user defined function.
19. a) Discuss any five-string manipulation function with example.
(OR)
b) Discuss Arguments with return values.
20. a) Illustrate the functions of sequential file .
(OR)
b) Discuss file handling with an example.