

Reg No:.....

K24FY 1317 (C)

Name :.....

First Semester FYUGP Computer Science Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1DSCCSC101 (FUNDAMENTALS OF PROGRAMMING
WITH C)

(DATE OF EXAM: 6-12-2024)

Time : 90 min

Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Briefly describe the history of the C programming language. 2
2. Define an algorithm. 2
3. What are primitive data types in C? List them. 2
4. Describe the scanf () function and its usage. 2
5. What is the use of default statement in switch? 2
6. Write a C program to check whether the given number is even or odd. 2
7. What will be number of iterations of a do while loop if the condition is initially false? 2
8. What is a multidimensional array in C? Provide an example of how to declare a 2D array. 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Outline the steps involved in executing a C program from source code to output with the help of neat diagram. 6
10. Discuss the precedence of arithmetic operators with an example. 6
11. Discuss the use and importance of various format specifiers used in printf() and scanf(). 6
12. Write a C program to design an arithmetic calculator in C using switch. 6
13. Write a C program to generate Fibonacci numbers upto n. 6
14. Discuss the declaration and initialization of two-dimensional arrays with examples. 6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. Describe one-dimensional arrays and explain their declaration and initialization. Illustrate with example. 14
16. Discuss looping control structures do-while and while in C, with practical examples. 14