

First Semester BSc Degree (Reg) Examination November 2025
KU1DSCCSY101 - FUNDAMENTALS OF PROGRAMMING
WITH C
2025 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A**Answer any 6 questions. Each carry 2 marks.**

1. What is a structure?
2. Define a string in C.
3. What is recursion?
4. Define a function in C.
5. Define macro using #define.
6. What is the use of rewind() function?
7. What is an algorithm?
8. What are constants?

Section B**Answer any 4 questions. Each carry 6 marks.**

9. Describe creation, reading, and writing of text files in C.
10. Describe #define and #undef directives with examples.
11. Describe writing and reading structures using binary files.
12. Explain program design and structured programming.
13. Describe conditional statements and looping constructs in C.
14. Explain character set, constants, and variables in C.

Section C**Answer any 1 questions. Each carry 14 marks.**

15. Describe structures in C with initialization and examples.
16. a) Explain different methods of passing parameters to functions.
b) Write and explain a recursive program to find factorial or Fibonacci series.