

Second Semester FYUGP Degree (Reg/Sup/Imp) Examination
April 2026

KU2DSCCSC108 - ADVANCED PROGRAMMING WITH C
2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. Explain the difference between the fseek() and rewind() functions.
2. What is the difference between printf and fprintf functions?
3. How do you declare an array of structure variables?
4. Explain structure declaration and initialization.
5. Define a NULL pointer. Why is it used?
6. How does realloc() help in resizing dynamically allocated memory?
7. What are the formal parameters in a function? Explain with example
8. Define storage classes in C. List the different types.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Write a program to access array elements using pointers.
10. Write a program to check whether a given word is palindrome or not using pointers.
11. Write a program to calculate the sum of n numbers entered by the user using malloc().
12. Write a C program to print the Fibonacci series up to a given limit using a function
13. Write a function to find the largest number in an array using the function.
14. Write a program to pass a structure as a function parameter and display the data.

Section C

- Answer any 1 questions. Each carry 14 marks.
15. Write a program to store student records (name, roll number, marks) in a text file using structures. Also, write another program to read and display the stored information.
 16. What is a structure in C? Explain its features and uses with real-life examples.

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