

1st Semester Exam., 2025 (Nov) (FYUP)

MAJOR-1 (COMPUTER SCIENCE)

[Programming using C]

(Practical)

Full Marks : 100

Pass Marks : 40

Time : 3 hours

The figures in the margin indicate full marks for the questions.

Answer *any four* questions.

1. Write a C program to print the multiplication table of a given number. 20
2. Write a C program to find the roots of a quadratic equation using if-else statements. 20
3. Write a C program to perform matrix multiplication. 20
4. Write a C program to sort the elements of any array and search the array for an element. 20

5. Write a C program to pass an array to a function and display its elements. 20
 6. Write a C program to search for an element in an array using pointers. 20
 7. Write a C program to reverse a given string without using standard library functions. 20
 8. Write a C program to demonstrate the use of structures by storing and displaying student details. 20
 9. Write a C program to count the number of vowels and consonants in a string. 20
 10. Write a C program to read from a file and write its contents to another file, converting all lowercase letter to uppercase. 20
- * Notebook records. 10
- ** Viva voce. 10

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