

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA -8
(Affiliated to Krishna University, Machilipatnam)
SYLLABUS

Subject: Computer Science

Semester: I

Course Title: Problem Solving using C
– Practical

Course Code: 22CSP1PC12

No of Hours: 30

LTP: 002

Credits: 2

Objectives

- To practice the C syntax and write programs.
- To identify and program the different concepts and techniques.

Course Outcomes

CO1: Apply the programming concepts and write simple programs in C.

CO2: Develop simple code to solve a problem.

CO3: Implement the programming with real time concepts.

List of practicals:

1. Write a program to check whether the given number is Armstrong or not.
2. Write a program to find the sum of individual digits of a positive integer.
3. Write a program to generate the first n terms of the Fibonacci sequence.
4. Write a program to find both the largest and smallest number in a list of integer values
5. Write a program to demonstrate refaction of parameters in swapping of two integer values using Call by Value&Call by Address
6. Write a program that uses functions to add two matrices.
7. Write a program to calculate factorial of given integer value using recursive functions
8. Write a program for multiplication of two M X N matrices.
9. Write a program to perform various string operations.
10. Write a program to search an element in a given list of values.
11. Write a program to sort a given list of integers in ascending order.
12. Write a program to demonstrate structure.
13. Write a program to demonstrate pointer.
14. Write a program on file operations.

Reference Books

1. Programing with C by Reema Thareja
2. Yashavant Kanetkar - Let Us "C" – BPB Publications.

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Practical-Scheme of Valuation

Time: 3 Hrs.

Max. Marks: 50

Practical	Marks
Program Writing	15 M
Program Execution	15 M
Viva	10 M
Practical Record	10 M
Total	50 M