

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

B.Sc. END SEMESTER EXAMINATIONS NOVEMBER-2022

SEMESTER - I

21UCSCT1001 - Problem Solving Through Programming in C

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section A

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Define top down design approach.
2. Write a C program to find the largest number in an array?
3. Explain the Structure of C language.
4. What are the differences between break and continue?
5. What is recursion? Write a C program to display a Fibonacci series using recursion?
6. Define command line arguments with example.
7. How to perform passing arrays to function?
8. What is the Difference between Structure and Union? Give an example.

Section B

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Discuss the difference between algorithm and pseudo code.
10. Write a detailed program to find the addition of two matrix.
11. Explain the different types of control statements.
12. Explain arrays with examples.
13. Write a program to create a student mark list using structure.
