

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.C.A. - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - I

22UCACT1001 - Programming in C C++

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Summarize the evolution of 'C' language.
2. Highlight the structure of a 'C' program.
3. Discover the declaration of user defined function with example.
4. Distinguish between the structure and unions.
5. Develop a C++ program to arrange the given names in an alphabetical order.
6. Predict the general form of virtual functions in C++.
7. Relate the concept of overloading using friend function with example.
8. Determine the exception handling mechanism used in C++ program.

Section C

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

9. Compare and construct do while loop and while loop statement in C.
10. Evaluate the types of parameter passing in function with example.
11. Create a C++ program to find the biggest among given three numbers.
12. Prepare the need of overloading unary and binary operators with example.
13. Demonstrate the file pointer and their manipulation in C++ program.
