

Roll.No.

22UACT1001

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 - NOVEMBER 2025
SEMESTER - I

22UACT1001- 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. Illustrate the structure of 'C' program.
2. Identify the features of 'C++' programming.
3. Predict the outcome of Operator Overloading with Function Overloading operation. Give Syntax.
4. Show the importance of Inheritance types with sample source code.
5. Demonstrate Control Statements with syntax and Semantics.
6. Explain the concept of function & user defined function.
7. Rephrase Virtual function with Friend Function in detail. Give syntax.
8. Infer Virtual Base Class features with syntax.

Section C

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

9. Describe looping statements in C++ with example.
10. Relate the importance of parameter passing in functions with sample coding.
11. Examine Program Execution and Debugging technique in C and C++ Programming.
12. Compute Constructor and Destructor using example.
13. Examine Exception handling concept in detail.
