

Roll.No.

20USTAT3003

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.Statistics - END SEMESTER EXAMINATIONS - NOVEMBER 2025
SEMESTER - III

20USTAT3003 - Programming in C++

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Discuss the use of cin and cout with examples.
2. Write the syntax and example for switch statement in C++.
3. Illustrate the general form of a class declaration with an example.
4. Examine the role of try, catch and throw keywords.
5. Define variables. Explain their declaration and initialization with examples.
6. Explain how to declare and initialize a one-dimensional array with examples.
7. Give a brief note about array of objects.
8. Describe how operator overloading works in C++ with suitable programs.

Section C

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

9. List and Explain the main features of Object Oriented Programming with its applications.
10. Describe the different types of Operators in C++ with suitable examples.
11. Write a C++ program that demonstrate the use of for and while loop.
12. Elaborate the concept of constructors and destructors with examples.
13. Illustrate simple and multiple inheritance in C++ with suitable examples.
