

**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 - III**

**20USTAT3003 - Programming in C++**

**Total Duration : 2 Hrs 30 Mins.**

**Total Marks : 60**

**Section A**

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

1. Describe the advantages of OOP.
2. Illustrate the conditional statements of C++ with an appropriate examples.
3. Classify different forms of arrays.
4. Explain multi-level Inheritance with example.
5. Give example for declaration and initialization of variables.
6. Compute a simple program with break statement.
7. Explain Constructors and Destructors.
8. Examine operator overloading and type conversions with example.

**Section B**

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

9. Explain the features and applications of C++.
10. Classify the operators with an example.
11. Examine functions and concept of structures.
12. Relate class and arrays in detail.
13. Assess different kinds of Inheritance with example.

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