

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 EXAMINATION APRIL/NOV - 2021
SEMESTER - III
20USTAT3003 - Programming in C++

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. List the advantages of Object Oriented Programming Concepts.
2. Explain: Declaration and Initialization of Variables with Syntax and Example.
3. Differentiate between while statement and do-while statement.
4. Define: a) Constructors b) List out and Explain about each type of Constructor
5. Explain: Operator Overloading in C++.
6. Explain about switch statement with syntax and example.
7. Write the Syntax for the following:
a) cin/cout b) gets / puts c) getchar / putchar
8. What is Type Conversion in C++ ? Explain

Section C

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

9. a) Define Operator b) List the types of Operators and Explain each type.
10. Explain about Control Structures in C++ with Syntax and Examples.
11. Explain: Classes and Objects with Syntax and examples.
12. Write a C++ program to accept two input matrices, and perform Matrix Multiplication.
13. What is Inheritance? Explain all types of Inheritances.