

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.Com.(CA) END SEMESTER EXAMINATIONS APRIL-2023

SEMESTER - III

**21UCCCT3006 - Objected Oriented Programming Using C++**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

### Section B

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

1. Interpret data Encapsulation and Abstraction with an example.
2. List and explain any five C++ operators with example.
3. Illustrate with an example, how **setw** is implemented in c++?
4. Explain inline function with an example program.
5. State with an example, why function prototype is used in a C++ program?
6. Discuss on I/O operations in C++ with example.
7. Write a program to illustrate the type conversion concept in C++.
8. Both **cin** and **getline( )** function can be used for reading a string. Justify.

### Section C

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

9. Describe the three models present in OOP languages.
10. Explain the control statements in C++ with proper syntax and example.
11. Distinguish the purpose of friend and virtual function with a suitable example.
12. List and explain the types of constructor with example.
13. What is inheritance? Compare multiple and multilevel inheritance with example.

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