

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. ISM - END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - III

**20UBICT3007 - Object Oriented 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 basic concepts of OOP.
2. What are the benefits of OOP? Explain.
3. How to pass the parameters to functions?
4. Write down the rules for virtual functions.
5. Explain how will you specify a class with example.
6. Write note on the use of 'this' pointer.
7. Explain the handling of multiple constructors in a class with suitable example.
8. Describe the syntax of the single inheritance in C++.

### Section C

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

9. Explain any three control statements with examples.
10. Enumerate characteristics of friend function.
11. How is a member function of a class defined? Explain with example.
12. What do you meant by overloading of a function when do you use this concept? Explain.
13. What are the different types of inheritance? Give an example for each.

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