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-2023
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. Enumerate basic concepts of object oriented programming.

2. What is function overloading? Write down the steps to find unique match during compilation

3. State the purpose of this pointer with suitable example.

4. State the purpose of virtual function. Illustrate with suitable example.

5. Describe about operator overloading. Write a unary minus program using member function and friend function with suitable example.

6. Elucidate the visibility label and its functions.

7. Explain about friend function with example.

8. Describe the various classes available in file operations.

Section C

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

9. Explain the loop statements in C++ with suitable examples.

10. Define virtual functions. Explain method of calling a virtual function through a base class reference.

11. Develop the content with example for passing arrays to functions and arrays as objects.

12. Illustrate the type of constructors with an example.

13. Classify the types of inheritance. Write a C++ program to print the student marks using single and multiple inheritance.

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