

**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.**

BCA. END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - II

20UACT2002 - Object Oriented Programming with c++

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. What are the benefits of OOP?
2. Predict the rules for virtual functions in C++.
3. Relate the uses of functions overloading.
4. Illustrate the various type of constructors.
5. Define inheritance and polymorphism.
6. Classify command line arguments.
7. Describe error handling file operations in C++.
8. Solve the size of an empty class in C++.

Section B

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

9. Show the importance of static data members in C++.
10. Examine the bit wise operators in C++.
11. Compute the derived and base class function using C++.
12. Assess the sorting in descending order of C++.
13. Examine the usage of creating and reading files in C++
