

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.C.A - END SEMESTER EXAMINATIONS APRIL-2023

SEMESTER - I

22UACT1001 - Programming in C & C++

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. List the differences between while and do while statements with example in C program.
2. Explain string handling functions.
3. State the purpose of different type of Pointers in C.
4. Discuss the features of Object Oriented Programming.
5. Describe parameterized constructor with example.
6. What is a Friend function? Analyse the merits and demerits of using the friend function.
7. Define Polymorphism. Explain Virtual functions with example.
8. Write a C++ program that illustrates Exception Handling.

Section C

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

9. Classify the different types of decision making statements in C.
10. What is an array? Examine two dimensional arrays with an example in C.
11. Illustrate Type Casting in C++
12. Explain operator overloading. Conclude with an example.
13. What are the different forms of inheritance supported by C++? Explain any two with examples.
