

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 NOVEMBER -2023

SEMESTER - I

22UACT1001 - Programming in C and C++

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. What is a token? What are the different types of tokens available in C language.
2. Describe the structure of "C++" program.
3. Explain overloading using friend function.
4. Explain about exception handling.
5. Explain the types of Array.
6. Prepare a note on object oriented programming? Classify the feature OOP
7. Explain Overloading using Friend function.
8. Examine about file pointers and its manipulation.

Section C

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

9. Illustrate about control statements in C programming.
10. Prepare a short note on:
 - i) Array of pointers
 - ii) Functions and pointers
11. Solve a C++ program to display a decimal number in reverse order.
(Ex. If a number is 42768, output expected is 86724)
12. Relate about operator overloading? Solve with example.
13. Explain inheritance and Compare the types of inheritance with example.
