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.
M.Sc.Applicable Mathematics - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - I
20PAMCT1003 - Programming in C++

Total Duration : 2 Hrs. 30 Mins.   Total Marks : 60

Section B

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

1. Explain in detail about 'C++ program structure'.

2. Illustrate in detail about jumping in inline function with an example.

3. Apply the concept of Exception handling mechanism in a single program.

4. Explain operator overloading with example.

5. Describe the data type and variables in C++ with an example.

6. Design a code to program function overloading with example.

7. Appraise the usage of 'Comment line arguments'.

8. Elaborate the usage of console I/O operation.

Section C

I - Answer any **TWO** questions $(2 \times 10 = 20$ Marks$)$

9. Explain in detail about OOP's concept in C++.

10. Classify the types of Constructor in C++.

11. Examine the following
    i) Friend class   ii) Friend function

12. Apply with an example multiple inheritance.

II - Compulsory question $(1 \times 10 = 10$ Marks$)$

13. To create a student file to write student details and read it same in C++.

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