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.- END SEMESTER EXAMINATIONS NOVEMBER - 2022
SEMESTER - I
20PAMCT1003 - Programming in C++

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

Section A

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

1. List the benefits of OOP.

2. Illustrate copy constructor.

3. Discuss about I/O manipulators.

4. Describe command line arguments.

5. Elucidate the importance of inline function.

6. Apply function overloading to compute area of various shapes.

7. Explain the importance of virtual functions.

8. Differentiate various file open modes with examples.

Section B

Part A

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

9. Explain the applications of OOP.

10. Compare the different control structures available in C++.

11. Explain operator overloading.

12. Write a C++ program to process a student file.

Part B

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

13. Distinguish single and multiple inheritance with suitable illustration.

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