

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. Appl.Maths - END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - II

20PAMCT2006 - Programming In Java

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Describe the user defined data types with example.
2. Classify the abstract class in detail.
3. Explain the multiple inheritance in Java with example.
4. Explain the byte stream classes for reading and writing a sentence using a text file.
5. Define the entry controlled loop in Java with simple example.
6. What is an Interface in Java? How do you define methods in an Interface?
7. Explain how exceptions are handled in Java. What are the three types of exceptions.
8. Distinguish string and string buffer in Java.

Section C

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

9. Illustrate the constructor access using inheritance.
10. Apply the ternary operator and selection statements for finding odd or even number in Java.
11. Determine the user defined packages and class accessing in Java.
12. Explain the thread life cycle and Multithreading in Java with example.

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

13. When is a Constructor invoked? Explain the use of constructor overloading in Java with example.
