

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.Sc.CGS - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - VI

21UCGCT6010- Java Programming

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Explain the features of Java programming.
2. What is an array? Explain the various types of arrays in java.
3. Outline the syntax of branching statements in Java with example.
4. Write short notes on Multiple Inheritance in Java.
5. What is an Exception? Explain with example.
6. Illustrate Java Virtual Machine.
7. Differentiate between Applets and Applications.
8. Discuss about the concept of stream classes.

Section C

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

9. Write a Java Program for the following:
(a) Matrix Multiplication (b) Factorial of a number
10. What are the different types of if statement available in Java? Explain.
11. Explain the concept of implementing an interface with an example.
12. Discuss the different stages in the life cycle of an Applet.
13. Write a java program to read a file and copy content of one file into another file.
