

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.C.A. - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - III

23UACT3003 - Programming in Java

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. What are the features of Java?
2. Explain the steps for creating packages.
3. Classify Applets & Applications.
4. Describe the components: Checklist, Checkbox, Label, Radio button in Java .
5. What is method overloading? Give example.
6. Classify Checked exceptions and Unchecked exceptions with example.
7. Describe Layout Manager & its types.
8. Determine the importance of Try, Catch, throw, throws, finally with example.

Section C

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

9. Explain Looping statements in Java.
10. Classify different types of inheritance.
11. Determine how multithreading in Java improves program efficiency & demonstrate it with simple program.
12. Apply AWT in Java to create a simple GUI application with Button & Text field.
13. Determine how JDBC can be used to connect Java application to a database & perform basic Create, Read, Update & Delete operations.
