

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.

BCA. - END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - IV

23UACT4006-Programming In Java

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 Java program structure.
2. Illustrate in detail about Class. Object and Method in Java.
3. Apply the concept of exception handling mechanism in a simple program.
4. What is meant by interfaces? State its need and features of interfaces with syntax.
5. Describe the datatypes and variables in Java with an example.
6. Develop a code to perform arithmetic operations in Java.
7. Explain the usage of packages in Java.
8. Determine the concept of suspending, resuming and stopping threads in Java.

Section C

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

9. Explain the following
 - i) I/O stream
 - ii) CharArray.
10. Construct a code to compute the addition of elements in given matrix.
11. Examine the concept of multithreading in Java.
12. Classify the types of inheritance in Java.
13. Assess the code to create user-defined packages in Java.
