



Paper ID : 260773

Printed Page: 1 of 1

Subject Code:BBC401

Roll No:

BCA

(SEM. II) THEORY EXAMINATION 2025-26

JAVA PROGRAMMING

TIME: 3 HRS

M.MARKS: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief.

2x7 = 14

- (a) Define Java and its characteristics.
- (b) What is constructor?
- (c) Define inheritance.
- (d) What is exception?
- (e) What is AWT?
- (f) Define JDBC.
- (g) What is servlet?

SECTION B

2. Attempt any *three* of the following:

7 x 3 = 21

- (a) Explain Java program structure and compilation process.
- (b) Explain method overloading and method overriding with examples.
- (c) Explain exception handling using try-catch-finally.
- (d) Explain Swing components (Label, Button, TextField).
- (e) Explain JDBC architecture and connectivity.

SECTION C

3. Attempt any *one* part of the following:

7 x 1 = 7

- (a) Write a Java program to find sum of elements of an array.
- (b) Write a Java program using constructor to initialize object values.

4. Attempt any *one* part of the following:

7 x 1 = 7

- (a) Write a Java program demonstrating inheritance using super keyword.
- (b) Write a Java program to implement an interface.

5. Attempt any *one* part of the following:

7 x 1 = 7

- (a) Write a Java program to handle division by zero using exception handling.
- (b) Write a Java program for file reading using FileInputStream.

6. Attempt any *one* part of the following:

7 x 1 = 7

- (a) Write a Java program to create a simple Swing application with button and label.
- (b) Write steps to connect Java with MySQL database using JDBC.

7. Attempt any *one* part of the following:

7 x 1 = 7

- (a) Explain life cycle of a servlet with diagram.
- (b) Write a simple servlet program to display "Hello World".