

OBJECT ORIENTED PROGRAMMING USING JAVA



✓ **Maximum Marks: 70**

Section A (5 Marks each)

➤ **Attempt any FIVE questions**

1. Define Object Oriented Programming. State its advantages.
2. Explain the features of Java.
3. Differentiate between Java and C++.
4. What is JVM? Explain its role in Java.
5. Explain data types in Java with examples.
6. What is typecasting? Explain with example.
7. Define class and object. Give example.
8. What is exception handling? Explain try-catch block.

Section B (15 Marks each)

➤ **Attempt any THREE questions**

Q1.Explain the basic concepts of Object Oriented Programming:

Class, Object, Encapsulation, Inheritance, and Polymorphism with suitable examples.

Q2.Explain Java features in detail. Also compare Java with C++.

Q3.Explain operators in Java. Describe different types of operators with examples. Also explain operator precedence and associativity.

Q4.Explain decision making and looping statements in Java with suitable programs.

Q5. Define class and object. Explain constructors and method overloading with example programs.

Q6.Explain inheritance and polymorphism in Java with suitable examples.

Q7. What are packages in Java? Explain how to create and use packages.

Q8 .Explain exception handling in Java. Describe try, catch, throw, throws and finally with examples.

