

**MCA (SEM- IV)**  
***Java Programming***  
**(OCT-16)**

**Q.P. Code : 511900**

**(3 Hours)**

**[Total Marks : 100]**

- N.B. :** (1) Question No.1 is compulsory.  
(2) Attempt **any four** questions out of the remaining questions 2 to 7.

- |    |   |    |
|----|---|----|
| 1. | (a) What are layout managers in java? Explain with suitable example.  | 10 |
|    | (b) Explain difference between C++ and java language.   | 10 |
| 2. | (a) What is the difference between an applet and an application? Explain life cycle of an applet.   | 10 |
|    | (b) Explain use of super keyword with suitable example.   | 10 |
| 3. | (a) What is Exception handling in Java? Write program to handle Number format exception.  | 10 |
|    | (b) Explain program to create GUI using Swing components.   | 10 |
| 4. | (a) Explain constructor overloading and function overloading with an example.   | 10 |
|    | (b) What is Inner Class in Java? Write a program to implement inner classes in java.  | 10 |
| 5. | (a) Explain multithreading concept in Java. Write a program showing multiple threads working upon single object using synchronized keyword. | 10 |
|    | (b) Explain wrapper class in Java. Explain the concept Boxing and unboxing.   | 10 |
| 6. | (a) Explain the different types of drivers in JDBC.   | 10 |
|    | (b) What is serialization and deserialization? Write a program to implement it in Java.   | 10 |
| 7. | Write short note on (any four) :  | 10 |
|    | (a) Data types supported in Java  |    |
|    | (b) Interface in Java   |    |
|    | (c) Statics keyword   |    |
|    | (d) Package in Java   |    |
|    | (e) Input stream classes  |    |

# Java Programming Question Papers

**Yicheng Fang**



## **Java Programming Question Papers:**

This book delves into Java Programming Question Papers. Java Programming Question Papers is an essential topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Java Programming Question Papers, encompassing both the fundamentals and more intricate discussions.

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    - Chapter 1: Introduction to Java Programming Question Papers
    - Chapter 2: Essential Elements of Java Programming Question Papers
    - Chapter 3: Java Programming Question Papers in Everyday Life
    - Chapter 4: Java Programming Question Papers in Specific Contexts
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