

**Candidates are required to answer the questions in their own words as far as possible.**

**Group B**

**Attempt any SIX questions.**

**[6×5 = 30]**

2. Define OOP. Explain features of Object Oriented Programming Language. [1 + 4]
3. Explain different types of control statements used in java. [5]
4. Define Abstract Class. Explain different types of Access controls available in java.[1 + 4]
5. Define method overriding? Write any program to implement concept of multiple inheritance in Java.  
[1 + 4]
6. Why it is important to handle exception in java? Write a program to illustrate the use of exception handling. [1 + 4]
7. Define the use of **static** keyword. Write any four String methods used in java with example.  
[1 + 4]
8. Define **super**, **final** and **this** keyword in java. Explain the concept of MVC in brief.  
[1 + 1 + 1 + 2]

**Group C**

**Attempt any TWO questions.**

**[2×10 = 20]**

9. a) Define multithreading. Write a java program to show the inter-thread communication.  
[1 + 4]  
b) Define Stream. Write a program in java to copy the content from one file to another.  
[1 + 4]
10. a) Define Collection Class. Explain different Wrapper classes and associated methods in java.  
[1 + 4]  
b) Define AWT. Explain different types of Layout Managers in java. [1 + 4]
11. a) List and explain any five swing controls with their uses. [5]  
b) Define JDBC. Write a program to display all records from a table of database.  
[1 + 4]