**Java – MCA 3rd Internal Important Questions**

**Unit-3:**

1. **What are interfaces? What are their benefits? Explain how it is implemented in java with suitable example.**
2. **Design an interface called polygon with a method called area. Implement this interface to create different classes like square, rectangle and print the area of square and rectangle.**
3. **Differentiate between abstract class and interface.**
4. **Briefly Explain why Java doesn’t directly supports Multiple Inheritance? With an example explain how multiple inheritance is implemented in java.**
5. Define Package. Explain the creation of a package using a suitable example program.
6. **What is Package? Write a simple program to create a package and import package to make use of the class declared in the package.**
7. Define package. Explain the access protection for class members with respect to package.

**Unit-4:**

1. What is Exception? Explain how Exception handling mechanism can be used for debugging a program.
2. What is Exception Handling? Explain the benefits of Exception Handling
3. **What is Exception? Briefly explain the classification of Exception and Exception Hierarchy.**
4. **Define exception and explain the general structure of exception handling mechanism. Write a simple program to generate arithmetic exception.**
5. How to create user defined exception in java explain with an example?
6. Develop a simple program and explain multiple catch blocks.
7. **Explain briefly 5 keywords to handle exception. Illustrate it with a suitable example.**
8. What is checked and unchecked exception? Write a JAVA program to illustrate Nested try catch statement.

**Note**: All the questions in Bold letters are important for Assignment and Internal.

**From Unit-3:** 1, 2, 3, 4, 6

**From Unit-4:** 3, 4, 7