**Important questions of JAVA for EXAM**

**Unit-1**

1. Evolution of JAVA. Define characteristics of Java. compare features of java with C++

2. Relation b/w JVM, JRE and JDK

3. , Introduction to JAR format, Type casting.

4. Security Architecture and Security Policy and sandbox model.

5. Define Operators and various types of operators.

6. Explain Static Variable, Static Methods and block in details with example.

a) What is the meaning of first line of java program “public static void main (String args[])?

b) JVM is a platform dependent (T/F). Justify your answer.

c) What is the use of “this” keyword? d) What is a Wrapper Class?

e) What is use of final keyword? f) Define run time Exception.

g) Difference between application and applet

What is difference between interface and abstract class?

j) What is meaning of final class

Explain Java garbage collection mechanism.

Explain the steps involved in creating and executing a java program.

**Unit-2**

1. Describe Polymorphism with the help of example.

2. Create a program in java to implement method overriding.

3. Define wrapper classes in java.

What is exception handling? How multiple exceptions are caught in a single program? WAP to demonstrate the use of custom exception.

**Unit-3**

What is AWT. And Components of AWT.

Difference between throw and throws.

Write programs to demonstrate the difference between method overloading and method overriding in Java?

Explain Multithreading. Demonstrate with the help of example that how we set priorities in threads.

What is string handling? Write a program to append two strings in java.

**Unit-4.**

What is applet. Explain life cycle of applet.

Create class package and then create an instance of your own class outside class.

Explain concept of thread in java. Explain with suitable example.

What is exception handling in java. Explain with suitable example.

Write Short note on

Preferred statements

a) Thread synchronization

b) Socket programming

c) JIT Compilation

d) Applets

Describe and design JDBC.

Explain concept of the JDBC programming concept in detail.

Write note on query execution and features of java 9