

National Institute of Technology, Kurukshetra

Subject- Object oriented Programming using Java
B.Tech -III(IT)

Course Code- 11 C 205
M³L 15, Duration- 50 minutes

(6)

1) What would be the output and why ?

(i) class MyClass { MyClass(int x) { System.out.println(x); } }

public class Test {
 public static void main(String[] args)
 { int x=5;MyClass obj = new MyClass(); } }

(ii) public class Test { public static void main(String[] args){ System.out.println(args.length); } }

(iii) public class Test { public static void main(String[] args) { int x=5;System.out.println(x); } }

(iv) public class Test { public static void main(String[] args) { try { throw new Exception("An error occurred"); } finally { System.out.println("finally block executed"); } } }

(v) If you define a package named com.example.utility and have a Utility class inside it what is the correct way to import and use the Utility class in another class that resides in a different package? Explain what would happen if you forget to import the package.

(vi) Difference between throw and throws keyword.

2) What are anonymous arrays? How do they differ from regular arrays? Illustrate with an example. (3)

3) Provide a brief example to illustrate how static members can be shared across instances while instance members maintain their own state. (3)

4) Provide a real-world scenario where a checked exception might be used in a Java application. Explain how failing to handle this exception could impact the application. (3)