**Question 1**

What is the result of attempting to compile and run the following code?

**public** **class** Outer {

**private** String x = "Outer variable";

**void** doStuff() {

String z = "local variable";

**class** Inner {

**public** **void** seeOuter() {

System.*out*.println("Outer x is " + x);

System.*out*.println("Local variable z is " + z);

}

}

}

}

**Question 2**

What is the Synchronized resizable-array implementation of the List interface is?

**Question 3**

What is the result of attempting to compile and run the following code?

**public** **class** Test {

**static** {

**int** a = 5;

}

**public** **static** **void** main(String[] args) {

System.*out*.println(a);

}

}

**Question 4**

What is the result of attempting to compile and run the following code?

**static** **public** **class** Test {

**public** **static** **void** main(String[] args) {

**char** c = 'a';

**switch** (c) {

**case** 65:

System.*out*.println("one");

**break**;

**case** 'a':

System.*out*.println("two");

**break**;

**case** 3:

System.*out*.println("three");

}

}

}

**Question 5**

What is the result of attempting to compile and run the following code?

**public** **class** Test {

**public** **static** **void** main(String[] args) {

**int** x = 3;

**int** y = 1;

**if** (x = y)

System.*out*.println("Not equal");

**else**

System.*out*.println("Equal");

}

}

**Question 6**

What is a transient variable?

**Question 7**

How can a subclass call a method or a constructor defined in a superclass?

**Question 8**

There are two classes: A and B. The class B need to inform class A when some important event has happened. What Java technique would you use to implement it?

**Question 9**

What would you use to compare two String variables - the operator == or the method equals()?

**Question 10**

How would you make a copy of an entire Java object with its state?

**Question 11**

What can you do in your Servlet/JSP code to tell browser not to cache the pages?

**Question 12**

What is the difference between request parameters and request attributes?

**Question 13**

What is the use of ActionForm class. Describe its Life Cycle?

**Question 14**

What is the difference between Action and DispatchAction classes?

**Question 15**

What is the difference between web.xml and sturts-config.xml?

**Question 16**

Explain Quick Sort with code snippet & its complexity?

**Question 17**

Write an algorithm to find whether the given string is a palindrome?

**Question 18**

Write an iterative function to find the position of the element in an array using binary search?

**Question 19**

Write a recursive algorithm to get the Fibonacci series?

**Question 20**

Write an iterative function to find the position of the element in an array using binary search?