**Question 1**

ExceptionA is a super class of ExceptionB. A method test() in a class X throws ExceptionB. Class Y extends class X, and Y has overridden method test(). Can the method test() in Y throw ExceptionA ?

**Question 2**

What is protected access specifier in java and when and how do you use it?

**Question 3**

What are the types of polymorphism in java?

**Question 4**

What are the short circuit operators in java and explain them?

**Question 5**

What is a marker object in java? Give an example.

**Question 6**

Will the following code compile

**interface** IX1{ **public** String test(); }

**interface** IX2{ **public** String test(); }

**class** JavaTest **implements** IX1, IX2{

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

JavaTest t = **new** JavaTest();

System.*out*.println("Print Out==" + t.test());

}

**public** String test(){

**return** "String";

}

}

**Question 7**

How will you invoke method test() from main method?

**public** **class** Testing {

**static** **class** InnerA{

String test(){

**return** "InnerA";

}

}

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

}

}

**Question 8**

What will be the result when you execute the below code

**public** **class** Testing {

**static** **int** *a*[];

**static** {

*a*[0] = 2;

}

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

System.*out*.println(*a*);

}

}

**Question 9**

What is the primary difference between pessimistic and optimistic concurrency control?

**Question 10**

What will be printed to console?

**public** **class** Testing1 {

**public** **void** changeValue(**int** x){

System.*out*.println(" change value x = "+ x++);

}

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

**int** x = 5;

Testing1 testing1 = **new** Testing1();

testing1.changeValue(x);

System.*out*.println(" changed value of x = "+x);

}

}

**Question 11**

What will be printed on the console

**class** A {

**public** **void** test(List list){

list = **null**;

}

}

**class** JavaTest {

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

A a = **new** A();

List l = **new** ArrayList();

l.add("abc");

l.add("def");

a.test(l);

**for**(**int** i=0; i<l.size();i++){

System.*out*.println(l.get(i));

}

}

}

**Question 12**

Write sample code to convert String date=”02/02/2010” to get Date object using java.text classes .

**Question 13**

What API can I use to traverse a List in forward as well as backward directions?

**Question 14**

Write an algorithm for merge sort

**Question 15**

Write code to implement any algorithm for searching an element in an integer array.

**Question 16**

What are implicit objects in JSP?

**Question 17**

How do you make a Servlet as thread safe without using SingleThreadedModel interface?

**Question 18**

How can I serve Word/Excel documents to a web client from JSP's and/or servlets?

**Question 19**

What is the difference between Http GET and POST request?

**Question 20**

What is the difference between request.getParameter() and request.getAttribute() ?