Question1: START

Which of the following option leads to the portability and security of Java?

Question1: END

Option\_a: Bytecode is executed by JVM

Option\_b: The applet makes the Java code secure and portable

Option\_c: Use of exception handling

Option\_d: Dynamic binding between objects

correct\_option: Bytecode is executed by JVM

Question2: START

What should be the execution order, if a class has a method, static block, instance block, and constructor, as shown below?

public class First\_C {

public void myMethod()

{

System.out.println("Method");

}

{

System.out.println(" Instance Block");

}

public void First\_C()

{

System.out.println("Constructor ");

}

static {

System.out.println("static block");

}

public static void main(String[] args) {

First\_C c = new First\_C();

c.First\_C();

c.myMethod();

}

}

Question2: END

Option\_a: Instance block, method, static block, and constructor

Option\_b: Method, constructor, instance block, and static block

Option\_c: Static block, method, instance block, and constructor

Option\_d: Static block, instance block, constructor, and method

correct\_option: Static block, instance block, constructor, and method

Question3: START

Which of the following is a valid declaration of a char?

Question3: END

Option\_a: char ch = '\utea';

Option\_b: char ca = 'tea';

Option\_c: char cr = \u0223;

Option\_d: char cc = '\itea';

correct\_option: char ch = '\utea';

Question4: START

What is the return type of the hashCode() method in the Object class?

Question4: END

Option\_a: Object

Option\_b: int

Option\_c: long

Option\_d: void

correct\_option: int

Question5: START

What does the expression float a = 35 / 0 return?

Question5: END

Option\_a: 0

Option\_b: Not a Number

Option\_c: Infinity

Option\_d: Run time exception

correct\_option: Infinity

Question6: START

Evaluate the following Java expression, if x=3, y=5, and z=10:

++z + y - y + z + x++

Question6: END

Option\_a: 24

Option\_b: 23

Option\_c: 20

Option\_d: 25

correct\_option: 25

Question7: START

 Which of the following tool is used to generate API documentation in HTML format from doc comments in source code?

Question7: END

Option\_a: javap tool

Option\_b: javaw command

Option\_c: Javadoc tool

Option\_d: javah command

correct\_option: Javadoc tool

Question8: START

Which of the following for loop declaration is not valid?

Question8: END

Option\_a: for ( int i = 99; i >= 0; i / 9 )

Option\_b: for ( int i = 7; i <= 77; i += 7 )

Option\_c: for ( int i = 20; i >= 2; - -i )

Option\_d: for ( int i = 2; i <= 20; i = 2\* i )

correct\_option: for ( int i = 99; i>=0; i / 9)

Question9: START

In which process, a local variable has the same name as one of the instance variables?

Question9: END

Option\_a: Serialization

Option\_b: Variable Shadowing

Option\_c: Abstraction

Option\_d: Multi-threading

correct\_option: Variable Shadowing

Question10: START

Which of the following is true about the anonymous inner class?

Question10: END

Option\_a: It has only methods

Option\_b: Objects can't be created

Option\_c: It has a fixed class name

Option\_d: It has no class name

correct\_option: It has no class name

Question11: START

An interface with no fields or methods is known as a \_\_\_\_\_\_.

Question11: END

Option\_a: Runnable Interface

Option\_b: Marker Interface

Option\_c: Abstract Interface

Option\_d: CharSequence Interface

correct\_option: Marker Interface

Question12: START

Which of the following is an immediate subclass of the Panel class?

Question12: END

Option\_a: Applet class

Option\_b: Window class

Option\_c: Frame class

Option\_d: Dialog class

correct\_option: Applet class

Question13: START

Which option is false about the final keyword?

Question13: END

Option\_a: A final method cannot be overridden in its subclasses.

Option\_b: A final class cannot be extended.

Option\_c: A final class cannot extend other classes.

Option\_d: A final method can be inherited.

correct\_option: A final class cannot extend other classes.

Question14: START

Which of these classes are the direct subclasses of the Throwable class?

Question14: END

Option\_a: RuntimeException and Error class

Option\_b: Exception and VirtualMachineError class

Option\_c: Error and Exception class

Option\_d: IOException and VirtualMachineError class

correct\_option: Error and Exception class

Question15: START

In character stream I/O, a single read/write operation performs \_\_\_\_\_.

Question15: END

Option\_a: Two bytes read/write at a time.

Option\_b: Eight bytes read/write at a time.

Option\_c: One byte read/write at a time.

Option\_d: Five bytes read/ write at a time.

correct\_option: Two bytes read/write at a time.

Question16: START

What is the result of the following program?

public static synchronized void main(String[] args) throws

InterruptedException {

Thread f = new Thread();

f.start();

System.out.print("A");

f.wait(1000);

System.out.print("B");

}

Question16: END

Option\_a: It prints A and B with a 1000 seconds delay between them

Option\_b: It only prints A and exits

Option\_c: It only prints B and exits

Option\_d: A will be printed, and then an exception is thrown

correct\_option: A will be printed, and then an exception is thrown

Question17: START

If a thread goes to sleep

Question17: END

Option\_a: It releases all the locks it has.

Option\_b: It does not release any locks.

Option\_c: It releases half of its locks.

Option\_d: It releases all of its lock except one.

correct\_option: It does not release any locks.

Question18: START

 If three threads trying to share a single object at the same time, which condition will arise in this scenario?

Question18: END

Option\_a: Time-Lapse

Option\_b: Critical situation

Option\_c: Race condition

Option\_d: Recursion

correct\_option: Race condition

Question19: START

Which of the following code segment would execute the stored procedure "getPassword()" located in a database server?

Question19: END

Option\_a: CallableStatement cs = connection.prepareCall("{call.getPassword()}");

cs.executeQuery();

Option\_b: CallabledStatement callable = conn.prepareCall("{call getPassword()}");

callable.executeUpdate();

Option\_c: CallableStatement cab = con.prepareCall("{call getPassword()}");

cab.executeQuery();

Option\_d: Callablestatement cstate = connect.prepareCall("{call getpassword()}");

cstate.executeQuery();

correct\_option: CallableStatement cab = con.prepareCall("{call getPassword()}");

cab.executeQuery();

Question20: START

What will be the output of the following program?

abstract class MyFirstClass

{

abstract num (int a, int b) { }

}

Question20: END

Option\_a: No error

Option\_b: Method is not defined properly

Option\_c: Constructor is not defined properly

Option\_d: Extra parentheses

correct\_option: Method is not defined properly.

Question21: START

Which of the following is a valid syntax to synchronize the HashMap?

Question21: END

Option\_a: Map m = hashMap.synchronizeMap();

Option\_b: HashMap map =hashMap.synchronizeMap();

Option\_c: Map m1 = Collections.synchronizedMap(hashMap);

Option\_d: Map m2 = Collection.synchronizeMap(hashMap);

correct\_option: Map m1 = Collections.synchronizedMap(hashMap);

Question22: START

Which of the following is a mutable class in java?

Question22: END

Option\_a: java.lang.String

Option\_b: java.lang.Byte

Option\_c: java.lang.Short

Option\_d: java.lang.StringBuilder

correct\_option: java.lang.StringBuilder

Question23: START

Which of the given methods are of Object class?

Question23: END

Option\_a: notify(), wait( long msecs ), and synchronized()

Option\_b: wait( long msecs ), interrupt(), and notifyAll()

Option\_c: notify(), notifyAll(), and wait()

Option\_d: sleep( long msecs ), wait(), and notify()

correct\_option: notify(), notifyAll(), and wait().

Question24: START

Given that Student is a class, how many reference variables and objects are created by the following code?

Student studentName, studentId;

studentName = new Student();

Student stud\_class = new Student();

Question24: END

Option\_a: Three reference variables and two objects are created.

Option\_b: Two reference variables and two objects are created.

Option\_c: One reference variable and two objects are created.

Option\_d: Three reference variables and three objects are created.

correct\_option: Three reference variables and two objects are created.

Question25: START

What will be the output of the following program?

public class Test2 {

public static void main(String[] args) {

StringBuffer s1 = new StringBuffer("Complete");

s1.setCharAt(1,'i');

s1.setCharAt(7,'d');

System.out.println(s1);

}

}

Question25: END

Option\_a: Complete

Option\_b: Iomplede

Option\_c: Cimpletd

Option\_d: Coipletd

correct\_option: Cimpletd