Class Test – 1

CSE: 203

Registration Number:

1. Show the compilation steps of a simple java program.
2. “Java program is portable”- explain with your own language.
3. Write down the output of the following code segment:

**Code Segment:**

package classtest1;

public class Classtest1 {

public static void main(String[] args) {

byte b;

int i=514,j=508;

b=(byte)i;

System.out.println(b);

b=(byte)j;

System.out.println(b);

}

}

1. Find out the error of the following code segment. If there is any please correct them.

**Code Segment:**

package classtest1;

public class Classtest1 {

public final int p =20;

public static int m=10;

public static void main(String[] args) {

byte b=0; // line 1

b=(byte)b+2; // line 2

b=b-(byte)2; // line 3

b=(byte)(2-2); // line 4

int q; // line 5

q=p; // line 6

q=m; // line 7

}

}

1. Write short notes on following topics:
2. Bytecode
3. Garbage collection
4. Finalize method
5. Find out the error of the following code segment. If there is any please correct them.

**Code Segment:**

class A{

int j;

A()

{

j=i+j;

}

class B{

int i;

B()

{

i=i+j;

}

}

}

1. int i=2,j;

j=i+++i\*3>>1&2-2;

j=?

1. Write a java code named test.java which is find out the volume of a given BOX. The code must follow the given instructions: (volume = length \* height \* width)

Class name: test

Method1 input(): scan length,width,height of the box

Method2 display(): this method will display the volume of the box

Method3 volume(): this will calculate the volume.

1. Can you create an object of a particular class by making its default constructor private? Or is there any other option which will let you create that object by letting default constructor private? Please explain with an example.