1. **What is the output of this program?**

class box {

int width;

int height;

int length;

int volume;

public void volume() {

int width=10;

height=20;

length=30;

int volume = width\*height\*length;

}

}

class mai{

public static void main(String args[])

{

box obj = new box();

obj.volume();

System.out.println(obj.volume);

}

}

2**. What is the output of this program?**

class area {

int width;

int length;

int area;

void area(int width, int length) {

width = width;

length = length;

}

}

class Output {

public static void main(String args[])

{

area obj = new area();

obj.area(5 , 6);

System.out.println(obj.length + " " + obj.width);

}

}

**3. What is the output of this program?**

public class Test1\_vars {

int inst=10;

static int stc=0;

public void m1() {

System.out.println(inst + " - "+stc);

}

}

public class Test1\_vars2 {

public static void main(String[] args) {

Test1\_vars obj1 = new Test1\_vars();

Test1\_vars obj2 = new Test1\_vars();

obj1.inst=100;

obj2.stc=500;

obj1.m1();

obj2.m1();

}

}

**4. . What is the output of this program?**

public class Test1\_vars {

int inst=10;

static int stc=10;

public void m1() {

System.out.println(inst + " - "+stc);

}

}

public class Test1\_vars2 {

public void m2() {

otvr.m1();

}

public static void main(String[] args) {

Test1\_vars2 tobj2 = new Test1\_vars2();

Test1\_vars tObj1 = new Test1\_vars();

tobj2.m2(tObj1);

}

}

**5. . What is the output of this program?**

public class Test1\_vars {

public void nsmc1() {

sm1();

}

public static void sm1() {

System.out.println("Static Method in class1");

}

}

public class Test1\_vars2 {

public void nsmc2() {

sm1();

}

public static void main(String[] args) {

Test1\_vars2 tobj2 = new Test1\_vars2();

Test1\_vars tObj1 = new Test1\_vars();

tobj2.nsmc2();

}

}

6. How can we access the static methods into the nonstatic method of otherclass?

7. Create a class named 'Student' with String variable 'name' and integer variable 'roll\_no'. Assign the value of roll\_no as '2' and that of name as "John" by creating an object of the class Student.

8. Assign and print the roll number, phone number and address of two students having names "Sam" and "John" respectively by creating two objects of class 'Student'.

9. Write a program by creating an 'Employee' class having the following methods and print the final salary.

1 - 'getInfo()' which takes the salary, number of hours of work per day of employee as parameter

2 - 'AddSal()' which adds $10 to salary of the employee if it is less than $500.

3 - 'AddWork()' which adds $5 to salary of employee if the number of hours of work per day is more than 6 hours.