Oops Code snippets

1. What is the o/p of the following?

```
class A5{
   int a,b;

  A5(int aa, int bb)
  {
      a = aa;
      b = bb;
      a++;
      b++;
  }
          }
public class checkRef {
   public static void main(String args[]){
      A5 a1 = new A5(5,6);
      A5 a2;a2=a1;a1=null;
      System.out.println(a2.b);
       } }
```

a. 7
b. 0
c. 6
d. Exception
e. 8

2. Which of the following statement is true about method overloading

i. Method overloading depends on the return type
ii. In Method overloading, the method signature should match
iii. Method overloading depends on the order in which of the parameters passed
iv. Method overloading can happen without any parameter

a. ii only
b. ii , iii and iv
c. iii only
d. ii and iv

3. What is the o/p of the following?

```
class A5
{
   int a,b;
   A5(int aa, int bb)
   {
      a = aa; b = bb;a++;b++;
   }
}
public class checkRef {
   public static void main(String args[]){
      A5 a1 = new A5(5,6);
      A5 a2;a2=a1;a1=null;
      System.out.println(a2.b);
```

}}

a. 7
b. 0
c. 6
d. Exception
e. 8

4. Write the output of the below code segment

```
class counter
{
        int a;
        counter(int a)
        {
                a=a;
                ++a;
        }
}
public class prg2
{
        public static void main(String[] args)
        {
                counter c1 = new counter(10);
                counter c2 = new counter(20);;
                System.out.println((c1.a+c2.a));
        }
}
```

a. compile time error
b. 30
c. 32
d. 0

---

5. Write the output of the below code segment

```
class Demo
{
        void disp(byte d)
        {    System.out.println("byte value"); }

        void disp(short d)
        {   System.out.println("short value "); }

        void disp(double d)
        {  System.out.println("double value "); }

        void disp(float d)
        {  System.out.println("float value "); }
}

public class prg3 {
```

```
public static void main(String[] args) {
        int x=10;
        Demo  a = new Demo();
        a.disp(x);
}}
```

a. float value
b. byte value
c. short value
d. double value
e. Error

6.Write the output of the below code segment

```
class  demo
{
 int count(int a)
 {
        if(a==0 || a==1)
                return a;
        return count(a-1)+count(a-2);
}}

public class prg4 {
public static void main(String[] args) {
        demo d = new demo();
        System.out.println(d.count(7));

}}
```

a. 13
b. compile time error
c. 1
d. 7

7.Write the output for the below code snippet

```
class Rect
{
   int l,w;
   Rect(int l, int w)
   {
        this.l = l;
        this.w = w;
    }
    void update(Rect r)
    {
        l = l+10;
        w = w+10;
        r.l++;
        r.w++;
}
}
```

```
public class prg5 {
public static void main(String[] args)
{
        Rect r1 = new Rect(2,3);
        Rect r2 = new Rect(2,3);
        r1.update(r2);
        System.out.println(r2.l+"  "+r2.w);
}}
```

a. 3 4
b. 12 13
c. 13 14
d. 2 3

---

8. Write the output for the below code snippet

```
class A
{
 int a;
 A()
 {
        a=10;
        a++;
 }
 void increment()
 {   a = a+10;
        a++; }
}
public class prg6 {
public static void main(String[] args) {
        A a1 = new A();
        a1.increment();
        System.out.println(a1.a);
}}
```

a. 11
b. 22
c. 10
d. 20

---

9. **What is the output of the following code snippet?**

```
class Elements{
public static void main(String args[])
{
        over o=new over();
        o.m(1);
 }   }

class over
{
void m(byte b)
{
        System.out.println("byte");
}
void m(short b)
{
```

```
        System.out.println("short");
}
}
```

a. byte

b. short

c. run time error

d. compile time error

10. What is the output of the following code snippet?

```
class Elements {
public static void main(String args[])
{
        Demo o=new Demo();
        int x=o.m(15532);
        System.out.println(x);
 }}

class Demo
{
  int m(int n){
        if(n<=9)  {
        if(n==5)
          return 1;
        else
          return 0;
                  }
        else  {
        if(n%10==5)
                return 1+m(n/10);
        else
                return 0+m(n/10);
                }

} }
```

a.1

b.2

c.3

d.5