

# Rajalakshmi Engineering College

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Batch: 2028

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## 2024\_28\_III\_OOPS Using Java Lab

## 2028\_REC\_OOPS using Java\_Week 5\_MCQ

Attempt : 1

Total Mark : 15

Marks Obtained : 15

### **Section 1 : MCQ**

1. What will be the output of the following code?

```
class Box {  
    int length = 5;  
    int width = 4;  
  
    int area() {  
        return length * width;  
    }  
  
    public static void main(String[] args) {  
        Box b = new Box();  
        System.out.println("Area = " + b.area());  
    }  
}
```

**Answer**

Area = 20

**Status : Correct**

**Marks : 1/1**

2. What will be the output of the following code?

```
class Demo {  
    void printMessage() {  
        System.out.println("Hello from Demo");  
    }  
}  
  
public class Main {  
    public static void main(String[] args) {  
        Demo d = new Demo();  
        d.printMessage();  
    }  
}
```

**Answer**

Hello from Demo

**Status : Correct**

**Marks : 1/1**

3. What will be the output of the following code?

```
class Box {  
    int volume(int l, int b, int h) {  
        return l * b * h;  
    }  
}  
  
public class Main {  
    public static void main(String[] args) {  
        Box b = new Box();  
        System.out.println(b.volume(2, 3, 4));  
    }  
}
```

}

**Answer**

24

**Status : Correct**

**Marks : 1/1**

4. What will be the output of the following code?

```
class Ball {  
    int size = 11;  
}  
  
class Game {  
    public static void main(String[] args) {  
        Ball b1 = new Ball();  
        Ball b2 = new Ball();  
        b2.size = 10;  
        System.out.println(b1.size);  
    }  
}
```

**Answer**

11

**Status : Correct**

**Marks : 1/1**

5. What will be the output of the following code?

```
class A {  
    int y = 30;  
}  
  
public class Main {  
    public static void main(String[] args) {  
        A a1 = new A();  
        A a2 = new A();  
        a1.y = 50;  
        System.out.println(a2.y);  
    }  
}
```

```
    }  
}
```

**Answer**

30

**Status : Correct**

**Marks : 1/1**

6. What will be the output of the following code?

```
class A {  
    int val = 20;  
}  
  
public class Main {  
    public static void main(String[] args) {  
        A obj1 = new A();  
        A obj2 = obj1;  
        obj2.val += 5;  
        System.out.println(obj1.val);  
    }  
}
```

**Answer**

25

**Status : Correct**

**Marks : 1/1**

7. What will be the output of the following code?

```
class A {  
    int p = 5;  
    int q = 2;  
}  
  
class Main {  
    public static void main(String[] args) {  
        A obj = new A();  
        System.out.println(obj.p + obj.q);  
    }  
}
```

```
    }
```

**Answer**

7

**Status : Correct**

**Marks : 1/1**

8. What will be the output of the following code?

```
class Alpha {  
    void greet(String name) {  
        System.out.println("Hello" + name);  
    }  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        Alpha obj = new Alpha();  
        obj.greet("Anu");  
    }  
}
```

**Answer**

Hello Anu

**Status : Correct**

**Marks : 1/1**

9. What will be the output of the following code?

```
class Test {  
    private int value;  
    Test(int value) {  
        this.value = value;  
    }  
    public int getValue() {  
        return value;  
    }  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        Test obj = new Test(10);  
        System.out.println(obj.value);  
    }  
}
```

## Answer

## Compile-time error

**Status :** Correct

**Marks : 1/1**

10. What will be the output of the following code?

```
class Sample {  
    int x = 10;
```

```
void display() {  
    System.out.println("x = " + x);  
}
```

```
public static void main(String[] args) {  
    Sample s = new Sample();  
    s.display();  
}
```

## Answer

$$x = 10$$

**Status :** Correct

**Marks : 1/1**

11. What will be the output of the following code?

```
class A {  
    int x = 50;  
}
```

```
public class Main {
```

```
public static void main(String[] args) {  
    A obj1 = new A();  
    A obj2 = obj1;  
    obj2.x = 100;  
    System.out.println(obj1.x);  
}  
}
```

**Answer**

100

**Status : Correct**

**Marks : 1/1**

12. What will be the output of the following code?

```
class MathUtils {  
    int add(int x) {  
        return x + x;  
    }  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        MathUtils m = new MathUtils();  
        System.out.println(m.add(5));  
    }  
}
```

**Answer**

10

**Status : Correct**

**Marks : 1/1**

13. What is the output of the following code?

```
class Box {  
    int height;  
    Box(int height) {  
        this.height = height;  
    }  
}
```

```
    }
    void modifyHeight(Box b) {
        b.height += 10;
    }
}
public class Main {
    public static void main(String[] args) {
        Box b1 = new Box(20);
        b1.modifyHeight(b1);
        System.out.println(b1.height);
    }
}
```

## Answer

30

**Status :** Correct

Marks : 1/1

14. What will be the output of the following code?

```
class Person {  
    String name;  
    void setName(String n) {  
        name = n;  
    }  
    void printName() {  
        System.out.println(name);  
    }  
}
```

```
class Test {  
    public static void main(String[] args) {  
        Person p = new Person();  
        p.printName();  
    }  
}
```

## Answer

null

**Status : Correct**

**Marks : 1/1**

15. What will be the output of the following code?

```
class Person {  
    int age = 18;  
}  
  
public class Main {  
    public static void main(String[] args) {  
        Person p = new Person();  
        p.age += 2;  
        System.out.println("Age: " + p.age);  
    }  
}
```

**Answer**

Age: 20

**Status : Correct**

**Marks : 1/1**