Rajalakshmi Engineering College

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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 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**

2. 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**

3. 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***

4. 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***

5. 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***

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 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***

8. 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***

9. 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***

10. 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***

11. 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***

12. 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***

13. 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***

14. 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***

15. 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***