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 : 13

Section 1 : MCQ

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

```java
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

2. 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*

3. 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*

4. 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*

5. 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*

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

```java
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

0

Status : Wrong   *Marks : 0/1*

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

```java
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

Runtime error

Status : Wrong   *Marks : 0/1*

8. 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*

9. 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*

10.   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*

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 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*

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

```
class Demo {
    void printMessage() {
        System.out.println("Hello from Demo");
```

```java
        }
    }
    public class Main {
        public static void main(String[] args) {
            Demo d = new Demo();
            d.printMessage();
        }
    }
```

Answer

Hello from Demo

Status : Correct   *Marks : 1/1*

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

```java
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*

15.   What is the output of the following code?

```java
class Box {
```

```java
    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*