

Rajalakshmi Engineering College

Name: JAGADISH S A

Email: 241501071@rajalakshmi.edu.in

Roll no:

Phone: 9245831133

Branch: REC

Department: AI & ML - Section 1

Batch: 2028

Degree: B.E - AI & ML

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2024_28_III_OOPS Using Java Lab

2028_REC_OOPS using Java_Week 2_MCQ

Attempt : 1

Total Mark : 15

Marks Obtained : 15

Section 1 : MCQ

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

```
public class Main {  
    public static void main(String[] args) {  
        for(int i = 1; i <= 20; i = i * 2) {  
            System.out.print(i + " ");  
        }  
    }  
}
```

Answer

1 2 4 8 16

Status : Correct

Marks : 1/1

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

```
class Test {  
    public static void main(String[] args) {  
        int x = 5, y = 2;  
        if (x + y == 10)  
            System.out.print("Ten");  
        else if (x - y == 3)  
            System.out.print("Three");  
        else  
            System.out.print("None");  
    }  
}
```

Answer

Three

Status : Correct

Marks : 1/1

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

```
public class Main {  
    public static void main(String[] args) {  
        int sum = 0;  
        for(int i = 1; i <= 5; i++) {  
            sum += i;  
        }  
        System.out.println(sum);  
    }  
}
```

Answer

15

Status : Correct

Marks : 1/1

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

```
class Test {
```

```
public static void main(String[] args) {  
    int a = 4, b = 5;  
    if ((a + b) % 2 == 0)  
        System.out.print("Even");  
    else  
        System.out.print("Odd");  
}  
}
```

Answer

Odd

Status : Correct

Marks : 1/1

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

```
class Test {  
    public static void main(String[] args) {  
        int num = 15;  
        if (num > 10)  
            if (num % 3 == 0)  
                System.out.print("Divisible");  
            else  
                System.out.print("Not Divisible");  
    }  
}
```

Answer

Divisible

Status : Correct

Marks : 1/1

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

```
class ConditionTest {  
    public static void main(String[] args) {  
        int a = 7;  
        if (a == 7)  
            System.out.print("Match");  
    }  
}
```

```
        else
            System.out.print("No Match");
    }
}
```

Answer

Match

Status : Correct

Marks : 1/1

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

```
class Main {
    public static void main(String[] args) {
        for (int i = 5; i > 0; i--) {
            System.out.print(i + " ");
        }
    }
}
```

Answer

5 4 3 2 1

Status : Correct

Marks : 1/1

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

```
class ConditionTest {
    public static void main(String[] args) {
        int x = 10;
        if (x > 5)
            System.out.print("High");
    }
}
```

Answer

High

Status : Correct

Marks : 1/1

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

```
public class Main {  
    public static void main(String[] args) {  
        int day = 4;  
        String result = "";  
        switch(day) {  
            case 1:  
                result = "Monday";  
                break;  
            case 2:  
                result = "Tuesday";  
                break;  
            case 3:  
                result = "Wednesday";  
                break;  
            default:  
                result = "Other Day";  
        }  
        System.out.println(result);  
    }  
}
```

Answer

Other Day

Status : Correct

Marks : 1/1

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

```
class Loop {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 3; i++) {  
            for (int j = 1; j <= 2; j++) {  
                System.out.print(i + " " + j + " ");  
            }  
        }  
    }  
}
```

Answer

11 12 21 22 31 32

Status : Correct

Marks : 1/1

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

```
public class Main {  
    public static void main(String[] args) {  
        int i = 1;  
        while(i < 10) {  
            i += 2;  
        }  
        System.out.println(i);  
    }  
}
```

Answer

11

Status : Correct

Marks : 1/1

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

```
public class Main {  
    public static void main(String[] args) {  
        int i = 10;  
        do {  
            System.out.print(i + " ");  
            i -= 3;  
        } while(i > 0);  
    }  
}
```

Answer

10 7 4 1

Status : Correct

Marks : 1/1

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

```
class LoopTest {  
    public static void main(String[] args) {  
        int i = 1;  
        while (i > 0) {  
            System.out.print(i + " ");  
            i++;  
            if (i == 5) break;  
        }  
    }  
}
```

Answer

1 2 3 4

Status : Correct

Marks : 1/1

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

```
class LoopTest {  
    public static void main(String[] args) {  
        int i = 1;  
        do {  
            System.out.print(i + " ");  
            i *= 2;  
        } while (i <= 8);  
    }  
}
```

Answer

1 2 4 8

Status : Correct

Marks : 1/1

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

```
public class Main {  
    public static void main(String[] args) {
```

```
int score = 75;
if(score >= 90) {
    System.out.println("Grade: A");
} else if(score >= 80) {
    System.out.println("Grade: B");
} else if(score >= 70) {
    System.out.println("Grade: C");
} else {
    System.out.println("Grade: D");
}
}
```

Answer

Grade: C

Status : Correct

Marks : 1/1