JAVA

Q.1

Program-

```java
public class SumOfNumbers1
{
public static void main(String args[])
{
int n1 = 20, n2 = 15, sum;
sum = n1 + n2;
System.out.println("The sum of numbers is: "+sum);
}
}
```

Ans: The sum of two numbers is : 35

Q.2

Program-

```java
import java.util.Scanner;
public class FindMaximum {
    public static void main(String[] args) {
        // Create a Scanner object to take user input
        Scanner scanner = new Scanner(System.in);
      // Prompt the user to enter the first number
        System.out.print("Enter the first number: ");
        int num1 = scanner.nextInt();
        // Prompt the user to enter the second number
        System.out.print("Enter the second number: ");
```

```java
        int num2 = scanner.nextInt();
        // Find the maximum of the two numbers
        int max = (num1 > num2) ? num1 : num2;
        // Display the result
        System.out.println("The maximum number is: " + max);
        // Close the scanner to prevent resource leak
        scanner.close();
    }
}
```

Q.3

Program-

```java
public class SubtractTwoNumbersInJava
{
    public static void main(String[] args)
    {
        int firstNumber = 5;
        int secondNumber = 2;

        System.out.println("firstNumber - secondNumber = "
                + (firstNumber - secondNumber));
    }
}
```

Ans: firstNumber – secondNumber= 3

Q.4

Program-

```java
public class CheckPositiveOrNegativeExample1
{
public static void main(String[] args)
{
//number to be check
int num=912;
//checks the number is greater than 0 or not
if(num>0)
{
System.out.println("The number is positive.");
}
//checks the number is less than 0 or not
else if(num<0)
{
System.out.println("The number is negative.");
}
//executes when the above two conditions return false
else
{
System.out.println("The number is zero.");
}
}
}
```

Ans: The number is positive.

Q.5

Program-

```java
public class Main
{
public static void main (String[]args)
{
int num1 = 3;
int num2 = 4;
int result = num1*num2;
System.out.println("The Multiplication Of the numbers is: "+ result);
}
}
```

Ans: The Multiplication Of the numbers is: 12

Q.6

```java
public class Voting {
 public static void main(String[] args)
 {
   // Declaring variables
   int age, diff;
   // taking user input
   Scanner scan = new Scanner(System.in);
   System.out.println("Please enter your age: ");
   age = scan.nextInt();

   // Checking condition for voting..
```

```java
    if(age>=18)
    {
        System.out.println("You are eligible for voting.");
    }
    else
    {
    System.out.println("Sorry,You are not eligible for voting");
    }
 }
}
```

Q.7

Program-

```java
public class Main {
    public static void main(String[] args) {
        // Calculate the result of the division 50/3
        int result = 50 / 2;

        // Print the result of the division
        System.out.println(result);
    }
}
```

Ans: 25

Q.8

Program-

```java
public class Main
{
    public static void main(String[] args) {
        int number = 29;



        //checking whether the number is even or odd
        if (number % 2 == 0)
            System.out.println(number + " is Even");
        else
            System.out.println(number + " is odd");
    }
}
```

Ans: 29 is odd

Q9.

```java
public class Main
{
public static void main (String[]args)
{
int num = 3;
int result = num*num;
System.out.println("The Square Of the number is: "+ result);
}
}
```

Ans: The Square of the number is: 9

Q10

Program-

```java
public class rectangle{
    public static void main(String args[])
    {
    int width=5;
    int height=10;
    int area=width*height;
        System.out.println("Area of rectangle="+area);
    }
}
```

Ans: Area of rectangle= 50

Q.11

Program-

```java
public class AverageNumber
{
    public static void main(String[] args)
    {
     int a = 5
     int b = 10
     int c = 15
     sum=a+b+c;
     double avg = sum/3;
     System.out.println("Average of the numbers is "+avg);
```

```
    }
}
```

Ans: Average of the numbers is 3

Q.12

Program-

```
public class rectangle{
    public static void main(String args[])
    {
    int side = 5
    int area = side*side;
        System.out.println("Area of Square="+area);
      }
}
```

Ans: Area of Square= 25