1. C
2. B
3. C
4. B
5. A
6. A
7. A
8. C
9. D
10. A
11. A
12. D
13. D
14. a
15. a
16. b

Q17. Write a java program to check even or odd number

Ans.
```
class evenOdd {
   public static void main(String args[]){
      int num = 10;
      if(num%2==0){
         System.out.println("The number is even");
      }else{
         System.out.println("The number is odd");
      }
   }}
```

Q18. Write a java program to find average of two numbers.

Ans:

```
class average{
   public static void main(String args[]){
      int alpha = 20;
      int beta = 30;
      int sum = alpha +beta;
      int avg = sum/2;
      System.out.println(avg);
   }
}
```

Q19. Write a java program to swap two numbers

Ans :

```
import java.util.*;
class Swap_With {
public static void main(String[] args) {
      int x, y, t;// x and y are to swap
      Scanner sc = new Scanner(System.in);
      System.out.println("Enter the value of X and Y");
      x = sc.nextInt();
      y = sc.nextInt();
      System.out.println("before swapping numbers: "+x +"  "+ y);
      /*swapping */
      t = x;
      x = y;
      y = t;
      System.out.println("After swapping: "+x +"   " + y);
      System.out.println( );
    }
}
```

Q20. Write a java program to check whether a number is prime or not

Ans:

```
public class Main {

  public static void main(String[] args) {

    int num = 33, i = 2;
    boolean flag = false;
    while (i <= num / 2) {
      // condition for nonprime number
      if (num % i == 0) {
        flag = true;
        break;
      }

      ++i;
    }

    if (!flag)
      System.out.println(num + " is a prime number.");
    else
      System.out.println(num + " is not a prime number.");
  }
}
```

Q21. Write a java program to find table of n

Ans:

```
import java.util.Scanner;

public class Multiplication_Table

{

   public static void main(String[] args)

   {

      Scanner s = new Scanner(System.in);
```

```
            System.out.print("Enter number:");
            int n=s.nextInt();
        for(int i=1; i <= 10; i++)
        {
           System.out.println(n+" * "+i+" = "+n*i);
        }
    }
}
```

Q22. Write a java program to find the largest of three numbers.

Ans:

```
public class Largest {

    public static void main(String[] args) {

        double n1 = -4.5, n2 = 3.9, n3 = 2.5;

        if( n1 >= n2 && n1 >= n3)
           System.out.println(n1 + " is the largest number.");

        else if (n2 >= n1 && n2 >= n3)
           System.out.println(n2 + " is the largest number.");

        else
           System.out.println(n3 + " is the largest number.");
    }
}
```

Q23. Write a java program to calculate Simple Interest

Ans:

```
public class Main
{
  public static void main (String args[])
  {  float p, r,  t,  si; // principal amount, rate, time and simple interest respectively
        p = 13000;  r = 12; t = 2;
         si  = (p*r*t)/100;
        System.out.println("Simple Interest is: " +si);
  }}
```

Q24. Write a java program to calculate Area and perimeter of Rectangle

Ans :

```
public class Rectangle {

   public static void main(String[] strings) {

        final double width = 5.6;
        final double height = 8.5;

        double perimeter = 2*(height + width);

        double area = width * height;

           System.out.printf("The perimeter is "+perimeter);

        System.out.printf("The area is "+area);
    }
}
```

Q25. Write a java program to check whether character is vowel or consonant

Ans :

```
import java.util.Scanner;

class Char
```

```
{
        public static void main(String[ ] arg)
        {
        int i=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a character : ");
        char ch=sc.next( ).charAt(0);
        //char ch=sc.nextChar();
        switch(ch)
        {
         case  'a' :
         case 'e'  :
         case 'i'   :
         case 'o'  :
         case 'u'  :
         case  'A' :
         case 'E'  :
         case 'I'   :
         case 'O'  :
         case 'U'  :i++;
        }
        if(i==1)
        System.out.println("Entered character "+ch+" is  Vowel");
        else
                if((ch>='a'&&ch<='z')||(ch>='A'&&ch<='Z'))
                System.out.println("Entered character "+ch+" is Consonent");
                else
                System.out.println("Not an alphabet");
        }
```

```
}
```