Short answer Questions Unit-1

1. What are the basic principles of object-oriented programming.
2. Fill the missed lines in the below program.

    class A
    {
    _____ _____ void main (___ args[])
    {
    System.out.println("Hello");
    }
    }

3. What are various features of java?
4. Mention 8 primitive data types, sizes and default values in java?
5. How java achieves platform independence?
6. How java supported Robust language?
7. What is token?
8. Identify tokens in the below program along with categories.

    Class A
    {
    int a,b;
    a=20,b=30;
    void display()

    {
    System.out.println("a and b"+ a+ " "+b);
    }
    }

9. What are the Boolean logical operators?
10. What are the various bitwise operators?
11.

Consider the following program.

```
public class Question {
  public static void main(String[] args) {
    int x = 5;
    x *= (2 + 8);
    System.out.println(x);
  }
}
```

What is the output of the above code?

12. Difference between for () and foreach() with an example.
13. Compare while() and do-while with an example.
14. Compare break and continue.
15. Find the output

    Class A
    {

```
for(int i=0;i<=5;i++)
{
If (i==3)
break;
System.out.println(i);
}
```

16. Find the output

```
Class A
{
for(int i=0;i<=5;i++)
{
If (i==3)
continue;
System.out.println(i);
}
}
```

17. What is type casting.

18. Identify Output/Error of the following program

```
public class Main {
  public static void main(String[] args) {
   int myInt = 9;
   double myDouble = myInt;

    System.out.println(myInt);     /
    System.out.println(myDouble);
   }
 }
```

19. Identify Output/Error of the following program

```
public class Main {
  public static void main(String[] args) {
   int myInt = 9;
  dpuble myDouble=56.7;
  myInt=myDouble;
   System.out.println(myInt);     /
   System.out.println(myDouble);
   }
 }
```

20. For Successful Execution how to update Error Line

```
public class Main {
  public static void main(String[] args) {
   int myInt = 9;
```

```
    dpuble myDouble=56.7;
    myInt=myDouble; //Error -Line
     System.out.println(myInt);      /
     System.out.println(myDouble);
     }
    }
```

21. Describe Precedence and Associativity of Operators
22. Evalaute the following expression and predict the output.
    int a=10,b=34,c=12,d=19;
    int result= a+b*c/d;
    System.out.println(result);
23.

What will be the output of the following Java code?

```
class increment {

  public static void main(String args[]) {
    int g = 3;
    System.out.print(++g * 8);
  }
}
```

24.

What is the correct sequence of steps to execute a Java program?

I.   Compile the Program: Use the javac command to compile the code into bytecode.
II.   Edit the Program: Write the code in a text editor or IDE.
III. Run the Program: Use the java command to execute the bytecode.

Which of the following options represents this sequence?

a. Run → Edit → Compile

b. Edit → Run → Compile

c. Compile → Edit → Run

d. Edit → Compile → Run

a.

25.

import java.util.Scanner;

public class W01_P4{

        public static void main(String[] args) {

```
        Scanner sc = new Scanner(System.in);
    int x=sc.nextInt();
    int y=sc.nextInt();

  //code for quotient and remainder

 sc.close();
 }
}
```

26. Write a java program to check given number is even or odd using ternary operator.
27. Write a java program to find the reverse of the give number.
28. What is the objective of static keyword?
29. What is the objective of final keyword?
30. Write a program to declare static methods and access static methods.
31. Can we execute any code before main ()?If yes/No,Justify.
32. Why main() is declared with three keywords.
33. What is the use of command line arguments.
34. In which array command line arguments are stored.