IBAIS University
Class Test-01

Name : …………………………………………………………………………..

Student Id : …………………………………………………………………………..

1. Which of the following is a legal identifier in java?

   I.   1myIbais   II. $myibais
   III.   +MyIbais   IV.   myIbais

2. Which of these selection statements test only for equality?

   I.   if   II.   switch
   III.   if & switch   IV.   None of the mentioned

3. Which of these are selection statements in Java?

   I.   if()   II.   for()
   III.   continue   IV.   break

4. Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?

   I.   do-while   II.   while
   III.   for   IV.   None of the mentioned

5. What is the output of this program?

```java
class selection_statements {
    public static void main(String args[])
    {
        int var1 = 5;
        int var2 = 6;
        if ((var2 = 1) == var1)
            System.out.print(var2);
        else
            System.out.print(++var2);
    }
}
```

   I.   1   II.   2
   III.   3   IV.   4

6. Java is a .... language.

   I.   weakly typed   II.   strongly typed
  III.   moderate typed   IV.   None of these

7. How many primitive data types are there in Java?

   I.   6   II.   7
  III.   8   IV.   10

8. Size of int in Java is

   I.   16 bit   II.   32 bit
  III.   64 bit   IV.   64 bit

9. Size of float and double in Java is

   I.   32 and 64   II.   64 and 64
  III.   32 and 32   IV.   64 and 32

10. What will be the value of "x" after execution?

```java
int x = 0, y = 0 , z = 0 ;
x = (++x + y-- ) * z++;
```

   I.   0   II.   -1
  III.   -2   IV.   2

11. What will be the output?

```java
if(1 + 1 + 1 + 1 + 1 == 5){
    System.out.print("TRUE");
}
else{
    System.out.print("FLASE");
}
```

   I.   True   II.   False
  III.   compile error   IV.   None of these

12. Which of the following is the correct expression that evaluates to true if the number x is between 1 and 100 or the number is negative?

   I. $1 < x < 100 \ || \ x < 0$ II. $((x < 100) \ \&\& \ (x > 1)) \ || \ (x < 0)$
  III. $(1 > x > 100) \ || \ (x < 0)$ IV. $((x < 100) \ \&\& \ (x > 1)) \ \&\& \ (x < 0)$

13. What will be the output?

```java
public class Test{
    public static void main(String args[]){
        int a = 42;
        double b = 42.25;
        System.out.print((a%10)+" "+(b%10));
    }
}
```

I.	$1 < x < 100 \,\|\, x < 0$	II.	$((x < 100) \,\&\&\, (x > 1)) \,\|\, (x < 0)$
III.	$(1 > x > 100) \,\|\, (x < 0)$	IV.	$((x < 100) \,\&\&\, (x > 1)) \,\&\&\, (x < 0)$

14. Which of the following is the correct expression that evaluates to true if the number x is between 1 and 100 or the number is negative?

I.	2 2.25	II.	2 4.25
III.	4 4	IV.	none

15. Determine output:

```java
public class Test{
    static int i = 5;
    public static void main(String... args){
        System.out.println(i++);
        System.out.println(i);
        System.out.println(++i);
        System.out.println(++i+i++);
    }
}
```

I.	6 6 6 16	II.	6 7 6 16
III.	5 6 7 16	IV.	5 6 6 16