

# Sri Krishna College of Engineering and Technology

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2021\_25\_IV\_JAVA Programming (ECE/EEE)\_IRC

IRC\_Java\_D2\_Java Operators\_KQ\_MCQ

Attempt : 1  
Total Mark : 30  
Marks Obtained : 24

## Section 1 : MCQ

1. `int ++a = 100 ;`  
`System.out.println( ++a ) ;`  
What will be the output of above fraction of code?

**Answer**

Compiler displays error as ++a is not a valid identifier

**Status : Correct**

**Marks : 1/1**

2. Modulus operator, %, can be applied to which of these?

**Answer**

Both Integers and floating – point numbers.

**Status : Correct**

**Marks : 1/1**

3. What statement about the ^ operator is correct?

**Answer**

The ^ operator can be applied to int type.

**Status :** Correct

**Marks :** 1/1

4. Evaluate (to true or false) each of the following expressions:

14 <= 14

14 < 14

-9 > -25

-25 > -9

**Answer**

true false true false

**Status :** Correct

**Marks :** 1/1

5. Given the following Venn diagram and the variables, x, y, and z, which Java expression most closely represents the filled-in region of the diagram?

**Answer**

x || y

**Status :** Correct

**Marks :** 1/1

6. With x = 0, which of the following are legal lines of Java code for changing the value of x to 1?

1. x++;

2. x = x + 1;

3. x += 1;

4. x =+ 1;

**Answer**

1, 2, 3 & 4

**Status :** Correct

**Marks :** 1/1

7. Increment operator ++ increases the value of variable by what number?

**Answer**

1

**Status :** Correct

**Marks :** 1/1

8. What is the output of the following application?

```
package transporter;
public class CarVsBus
{
    public static void main(String[] arguments)
    {
        int car = 20 * (5 + (1 + 2) / 2);
        int bus = car < 1 ? 5 : 20;
        System.out.print(car < bus ? "Bus wins!" : "Car wins!");
    }
}
```

**Answer**

Car wins!

**Status :** Correct

**Marks :** 1/1

9.  $x=x+10$ ; can be written as:

**Answer**

$x+=10$ ;

**Status :** Correct

**Marks :** 1/1

10.  $\text{int } x = 0, y = 0, z = 0$  ;

$x = (++x + y--) * z++$ ;

What will be the value of x after execution.

**Answer**

&nbsp;0

**Status :** Correct

**Marks :** 1/1

11. What is the value of the expression  $11 + 5 * 3 \% (1 + 1)$  ?

**Answer**

12

**Status :** Correct

**Marks :** 1/1

12. Which of the following can be operands of arithmetic operators?

**Answer**

Both Numeric & Characters

**Status :** Correct

**Marks :** 1/1

13. What is the output of the following application?

```
package booking;
public class CustName
{
    public static void main(String... data)
    {
        String mike = "mike";
        String mikel = new String(mike);
        System.out.print((mike==mikel)+" "+(mike.equals(mikel)));
    }
}
```

**Answer**

true true

**Status :** Wrong

**Marks :** 0/1

14. Which of the following will result in false ?

**Answer**

`(true | false) ^ true;`

**Status : Correct**

**Marks : 1/1**

15. What is the value of y after executing the following code snippet?

`int x = 5;`

`int y = 2;`

`int z = x + (x>6 ? ++y : --y);`

**Answer**

6

**Status : Wrong**

**Marks : 0/1**

16. Which are the unary operators?

**Answer**

`++ & & --`

**Status : Correct**

**Marks : 1/1**

17. What is the right output of this program ?

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

```
}  
}
```

**Answer**

5775

**Status :** Correct

**Marks :** 1/1

18. What is the right output of this program ?

```
public class ShiftOperators {  
    public static void main(String[] args) {  
        System.out.print(8<<2);  
        System.out.print(",");  
        System.out.print(8>>1);  
    }  
}
```

**Answer**

16,4

**Status :** Wrong

**Marks :** 0/1

19. What is the right output of this program ?

```
public class BitwiseNotOperator{  
    public static void main(String[] args) {  
        int i = 50;  
        System.out.print(~i);  
        System.out.print(",");  
        System.out.print(~--i);  
    }  
}
```

```
        System.out.print(",");  
        System.out.print(~++i);  
    }  
}
```

**Answer**

3,12

**Status :** Correct

**Marks :** 1/1

20. What does the expression float a = 35 / 0 return?

**Answer**

Infinity

**Status :** Correct

**Marks :** 1/1

21. What is the output of the below Java code snippet?

```
int a = 2 - - 7;  
System.out.println(a);
```

**Answer**

9

**Status :** Correct

**Marks :** 1/1

22. What is the output of Java code snippet below?

```
short p = 1;  
short k = p + 2;  
System.out.println(k);
```

**Answer**

3

**Status : Wrong**

**Marks : 0/1**

23. What is the right output of this program ?

```
public class TernaryOperators {  
    public static void main(String[] args) {  
        int a = 10;  
        String result = a > 5 ? "Hello 1" : "Hello 2";  
        System.out.println(result);  
    }  
}
```

**Answer**

Hello 1

**Status : Correct**

**Marks : 1/1**

24. Evaluate the following Java expression, if x=3, y=5, and z=10:

++z + y - y + z + x++

**Answer**

25

**Status : Correct**

**Marks : 1/1**

25. Which of these statements are incorrect?

**Answer**

Assignment operators run faster than their equivalent long forms.

**Status : Wrong**

**Marks : 0/1**

26. What is the output of the following code snippet?



```
int x = 10, y = 5;  
boolean w = true, z = false;  
x = w ? y++ : y--;  
w = !z;  
System.out.print((x+y)+" "+(w ? 5 : 10));
```

**Answer**

11 5

**Status :** Correct

**Marks :** 1/1

27. What will be the output of the program?

```
class Equals  
{  
    public static void main(String [] args)  
    {  
        int x = 100;  
        double y = 100.1;  
        boolean b = (x = y);  
        System.out.println(b);  
    }  
}
```

**Answer**

Compilation fails

**Status :** Correct

**Marks :** 1/1

28. Decrement operator, --, decreases value of variable by what number?

**Answer**

1

**Status :** Correct

**Marks :** 1/1

29. What will be the output of the program?

```
class Bitwise
{
public static void main(String [] args)
{
int x = 11 & 9;
int y = x ^ 3;
System.out.println( y | 12 );
}
}
```

**Answer**

14

**Status :** Correct

**Marks :** 1/1

30. What will be the output of the following program?

```
public class MyFirst {
    public static void main(String[] args) {
        MyFirst obj = new MyFirst(n);
    }
    static int a = 10;
    static int n;
    int b = 5;
    int c;
    public MyFirst(int m) {
```

```
        System.out.println(a + ", " + b + ", " + c + ", " + n + ", " + m);
    }
// Instance Block
{
    b = 30;
    n = 20;
}
// Static Block
static
{
    a = 60;
}
}
```

**Answer**

60, 30, 0, 20, 0

**Status : Wrong**

**Marks : 0/1**