



# Java Third Minor Exam

## Objective questions

Total Marks: 15

**Mandatory To attempt all Question**

**1. Which of the following is the correct way to increment a variable x by 1 in Java?**

- A) `x = x + 1;`
- B) `x += 1;`
- C) `++x;`
- D) All of the above

**2. What will be the result of the following expression in Java: `5 + 2 * 3`?**

- A) 21
- B) 11
- C) 15
- D) 16

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

```
public class test {  
    Run | Debug  
    public static void main(String[] args) {  
        int a = 10;  
        int b = 20;  
        System.out.println(a > b ? a : b);  
    }  
}
```

- A) 10
- B) 20
- C) 30
- D) Compilation error

4. Which operator has the highest precedence in Java?

- A) &&
- B) +
- C) \*
- D) ++

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

```
int x = 5;  
System.out.println(x++ * 2);
```

- A) 10
- B) 12
- C) 11

D) 14

6. Which of the following is a valid syntax for an if statement in Java?

```
A) if x > 10 { System.out.println("x is greater than 10"); }  
B) if (x > 10) System.out.println("x is greater than 10");  
C) if (x > 10) { System.out.println("x is greater than 10"); }  
D) B and C
```

7. What will be the output of the following code snippet?

```
int num = 5;  
if (num < 10)  
    System.out.println(x:"Less than 10");  
else if (num > 10)  
    System.out.println(x:"Greater than 10");  
else  
    System.out.println(x:"Equal to 10");
```

- A) Less than 10
- B) Greater than 10
- C) Equal to 10
- D) Compilation error

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

```
int a = 5;
int b = 10;
if (a > 0 && b > 0)
    System.out.println(x:"Both are positive");
else
    System.out.println(x:"At least one is not positive");
```

- A) Both are positive
- B) At least one is not positive
- C) No output
- D) Compilation error

**9. Which statement is used to terminate the execution of a loop or switch statement in Java?**

- A) continue
- B) break
- C) return
- D) exit

**10. What will be the output of the following code snippet?**

```
for (int i = 0; i < 5; i++) {
    if (i == 3) {
        break;
    }
    System.out.print(i + " ");
}
```

- A) 0 1 2 3 4
- B) 0 1 2

C) 0 1 2 3

D) 0 1

**11. What is the role of the continue statement in a loop in Java?**

A) To terminate the loop

B) To skip the current iteration and continue with the next iteration

C) To break out of the current block

D) None of the above

**12. What will be the output of the following code snippet?**

```
for (int i = 0; i < 5; i++) {  
    if (i == 2) {  
        continue;  
    }  
    System.out.print(i + " ");  
}
```

A) 0 1 2 3 4

B) 0 1 3 4

C) 0 1 4

D) 0 1 2

**13. What is the output of the following code snippet?**

```
int i = 0;
while (i < 3) {
    System.out.print(i + " ");
    i++;
}
```

- A) 0 1 2
- B) 1 2 3
- C) 0 1 2 3
- D) Infinite loop

**14. Which loop is guaranteed to execute at least once in Java?**

- A) for loop
- B) while loop
- C) do-while loop
- D) None of the above

**15. What will be the output of the following code snippet?**

```
for (int i = 0; i < 5; i++) {  
    for (int j = 0; j < 3; j++) {  
        if (i == 2)  
            break;  
        System.out.print(j + " ");  
    }  
    System.out.println();  
}
```

- A) 0 1 2 0 1 2 0 1 2 0 1 2
- B) 0 1 2 0 1 2 0 1 2
- C) 0 1 0 1 0 1 0 1 0 1
- D) 0 1 0 1 0 1 0 1 0 1 0 1

"जो अपने सपनों का पीछा करते हैं, वही अपनी किस्मत खुद बनाते हैं।"  
(Those who chase their dreams create their own destiny.)

Best Of Luck