



Java Third Minor Exam

Objective questions

Total Marks: 15

Mandatory To attempt all Question

Answer is highlight in This Color

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
```

Answer= 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

Answer= 0 1 2 0 1 2 0 1 2 0 1 2

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(Those who chase their dreams create their own destiny.)

Best Of Luck