Assignment: 2
Date: 21-11-2025

20 MCQs on Increment & Decrement Operators

1. What is the value of x after x = 5; x++; ?

A) 4 B) 5 C) 6 D) Error

2. What is the output of the following?

int x = 5; printf("%d", ++x);

A) 4 B) 5 C) 6 D) Garbage

3. What is the output?

int x = 5; printf("%d", x++);

A) 4 B) 5 C) 6 D) Error

4. What is the final value of x?

int x = 10; x = x++ + ++x;

A) 21 B) 22 C) Undefined D) 20

5. Which is post-increment operator?

A) ++a B) a++ C) --a D) a--

6. Which operator increases value by 1 before using it?

A) a++ B) ++a C) a-- D) a**

7. What is the output?

int x = 3; int y = x++ + x;

A) 6 B) 7 C) 8 D) Undefined

8. What is the output?

int x = 3; printf("%d %d", ++x, x++);

A) 4 4 B) 4 5 C) 5 4 D) Undefined

9. Which of the following is invalid?

A) ++a B) a++ C) (a++)++ D) a--

10. What is the output?

int a = 5; int b = --a;

A) a=5,b=5 B) a=4,b=4 C) a=4,b=5 D) a=5,b=4

11. Which operator decreases value after using it?

A) --a B) a-- C) a++ D) ++a

12. What is the output?

int x = 6; printf("%d", --x);

A) 5 B) 6 C) 7 D) Error

13. What is the output?

int x = 2; int y = x++ * ++x;

A) 6 B) 8 C) 4 D) Undefined

14. How much value does ++ operator add?

A) 2 B) 1 C) 0 D) 10

15. What is the output?

int x = 5; printf("%d", x--);

A) 4 B) 5 C) 6 D) Error

16. What is the output?

int x = 5; printf("%d", --x + x++);

A) 9 B) 10 C) Undefined D) 8

17. Which operator is executed first in C?

A) Prefix ++ B) Postfix ++ C) Both have same precedence D) None

18. What is the type of ++ operator?

A) Unary B) Binary C) Ternary D) None

19. Which is true?

A) a++ increases immediately B) ++a increases after use C) a++ increases after use D) ++a and a++

20. What is the output?

int x = 1; printf("%d", x++ + x++);

A) 2 B) 3 C) 4 D) Undefined