

1) prepare 20 mcqs in/de operators

① program defined maxima b/w three numbers using nested if.

1) What is the value of x after executing: $\text{int } x = 5; x++;$?

- A) 4 B) 5 C) 6 D) 7

② What is the output of: $\text{int } x = 10; \text{printf}("%d", ++x);$?

- A) 9 B) 10 C) 11 D) 12

③ What is the output of: $\text{int } x = 10; (\text{printf}("%d", x++));$

- A) 9 B) 10 C) 11 D) 12

④ Which operator has higher precedence?

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

⑤ What is the result of: $\text{int } a = 5, \text{int } b = --a;$

- A) $a = 4$
 $b = 4$

- B) $a = 5$
 $b = 4$

- C) $a = 4$
 $b = 5$

- D) $a = 6$
 $b = 5$

6) What does the statement $(a < b) ? a : b$ return?

- A) The smaller value

- B) The larger value

- C) Always a

- D) Always b

7) The conditional operator is also called:

- A) Ternary operator

- B) Binary operator

- C) unary operator

- D) logical operator

8) What is the output: $\text{int } x = 3; x += 2; (\text{printf}("%d", x));$?

- A) 2

- B) 3

- C) 4

- D) 5

9) What is the o.p: $\text{int } x = 5; \text{printf}("%d", --x);$?

- A) 4

- B) 5

- C) 6

- D) 7

10) What is the output: $\text{int } x = 5; \text{printf}("%d", x--);$?

- A) 4

- B) 5

- C) 6

- D) 7

11. Which of the following is correct?
A) $++x$ increments after use
B) $x++$ increments before use
C) $++x$ increments before use
D) $x--$ increments before use

12. The conditional operator uses how many operands?
A) 1
B) 2
C) 3
D) 4

13. Which is the correct syntax?
A) condition? expr1: expr2
B) condition: expr1? expr2
C) condition expr1? expr2
D) ? condition expr1 expr2

14. What is the value of x ? $\text{int } x = 5; x = x+++++x;$
A) 10
B) 11
C) 12
D) undefined

15. What is the output $\text{int } a = 1, b = 2 \text{ int } c = (a \& b) ? a : b;$
A) 1
B) 2
C) 3
D) 0

16. Which operator is used to check a condition?
A) $++$
B) $?:$
C) $=$
D) $||$

17. What is the output: $\text{int } x = 7; x = 2;$
A) 4
B) 5
C) 6
D) 7

18. What is the output: $x = 3; \text{printf}(\text{"d"}, ++x + x++);$
A) 6
B) 7
C) 8
D) undefined.

19. What does $--x$ do?
A) Decrements after use
B) Decrements before use
C) increments before use
D) does nothing.

20. Which is true about increment operators?
A) they only work with integers
B) they work with all numeric types
C) They don't return a value
D) they can be used on strings.

#include <stdio.h>

int main() {

int a, b, c, max;

// Input three numbers

printf("Enter three numbers: ");

scanf("%d %d %d", &a, &b, &c);

// Nested if to find the maximum

if (a > b)

{

if (a > c)

{

max = a;

} else {

max = c;

}

} else {

if (b > c)

{

max = b;

} else {

max = c;

}

}

printf("Maximum number is %d", max);

return 0;

}

#include <stdio.h>

int main {