

1) prepare 20 mcqs in/de operators

2) Program find 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 op:  $\text{int } x = 5; \text{printf}("%d", --x);$ ?

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:  $x=3; \text{Printf}("%d", ++x+x++);$   
A) 6  
B) 2  
C) 8  
D) undefined.

- 19). What does  $--x$  do?  
A) Decrements after use  
B) Decrement 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.



```
1 #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;
```

```
}
```