

1. Prepare 20 mcq's on increment, decrement operator

2. Programme to find maximum between three numbers using nested if.

3. What is the value of x after the statement $x=5; x++$

- a) 4
- b) 5
- c) 6
- d) 7

Ans c) 6.

2) Which operator represents Post-increment?

- a) ~~x++~~
- b) $x++$
- c) $--x$
- d) $x--$

Ans b

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

- a) 5
- b) 9
- c) 10
- d) 11

Ans d

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

- a) 10
- b) 11
- c) 12
- d) 9

Ans a

5) Which operator decreases the value of a variable before use?

- a) $a--$
- b) $--a$
- c) $++a$
- d) $a++$

ANS b) $--a$

6) What is the final value of a after
 $\text{int } a=5; a = ++a + a++;$?

- a) 11
- b) 12
- c) 13
- d) Undefined behavior

ANS d

7) $x=7; y=x--$; what is the value of y

- a) 6
- b) 7
- c) 8
- d) 5

ANS b

8) Which operator increases the value and then uses it

- a) $x++$
- b) $++x$
- c) $x-+$
- d) $--x$

ANS b

9) What is the output? $\text{int } x=3; \text{printf } ("%.d", --x);$

- a) 1
- b) 2
- c) 3
- d) 4

ANS b

10) Which is correct syntax?

- a) $2++$
- b) $x++$
- c) $++x$
- d) $++x$

Ans d

11) What is the value of x after `int x=5; x=x++ + ++x;`?

- a) 11
- b) 12
- c) Undefined behavior
- d) 13

Ans c

12) What is the output of `int a=4;
printf("%d %d", a++, ++a);`

a) 4 6

b) 5 6

c) Undefined behavior

d) 4 5

Ans c

13) Post-decrement means:

- a) decrease first, use later
- b) use first, decrease later
- c) increase first
- d) increase later

Ans b

14) `int a=10; --a;` value of a is?

a) 10

b) 9

c) 11

d) 8

Ans b

15) Which statement is true?

- a) $++a$ means $a = a + 2$
- b) $a++$ means $a = a + 1$
- c) $--a$ means $a = a - 2$
- d) $a--$ means $a = a - 1$

Any b

16) What is the output:

```
int n = 2; printf("%d", x+++++n);
```

a) 5

b) 6

c) Undefined behavior.

d) 4

Any c

17) $x=5, y=++2$; value of x and y

a) $x=5, y=6$

b) $x=6, y=5$

c) $x=6, y=6$

d) $x=5, y=5$

Any c

18) Increment and decrement operators can be applied to

a) Integers only

b) float only

c) pointers

d) all of the above

Any d

19) Which statement is true for $x++$

a) value changes immediately

b) value changes after expression is evaluated

c) value remains same.

d) undefined always

Any b

- 20) what is the output: int a = 1;
printf ("%d", a++ + a++);
- a) 2
 - b) 3
 - c) Undefined behavior.
 - d) 4

Any c.

- 2) programme to find maximum between three numbers
using nested if

```
#include <stdio.h>

int main() {
    int a, b, c;
    printf("Enter three numbers: ");
    scanf("%d %d %d", &a, &b, &c);
    if(a>b) {
        if(a>c) {
            printf("Maximum=%d", a);
        } else {
            printf("Maximum=%d", c);
        }
    } else {
        if(b>c) {
            printf("Maximum=%d", b);
        } else {
            printf("Maximum=%d", c);
        }
    }
    return 0;
}
```