

1) Prepare 20 MCQ's on increment and decrement operator.

### Multiple choice Questions

1. Which operator is used to increase the value of a variable by 1? a) -- b) ++ c) += d) \*\*=
- 2) Which operator is used to decrease the value of a variable by 1? a) ++ b) -- c) -= d) /=
- 3) What is the output of the following code?  
`int a=5; a++; printf("%d", a);`  
a) 4 b) 5 c) 6 d) 0
- 4) What is the result after executing:  
`int a=10; a--;`  
a) 9 b) 10 c) 11 d) 8
- 5) In C, the increment operator ++a is known as:

a) Post - increment

b) Pre - increment

c) Post - decrement

d) Pre - decrement

6) In C, the decrement operator `a--` is known as:

a) Pre - decrement

b) Post - decrement

c) Pre - increment

d) Post - increment

7) What is the output?

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

a) 4    b) 5    c) 6    d) 7

8) What is the output?

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

a) 4    b) 5    c) 6    d) 7

b) 5

c) 6

d) 7

9) What is the output?

```
int a=7; printf ("%d", --a);
```

a) 6    b) 7    c) 8    d) 9

10) What is the output?

```
int a=7; printf("%d", a--);
```

- a) 6
- b) 7
- c) 8
- d) 9

11) Which operator has higher precedence?

- a) ++
- b) --
- c) Both ++ and --
- d) =

12) Choose the correct description of att;

a) Increment first, use later

b) Use first, increment later

c) Decrement value

d) None.

13. what is the output?

```
int a=3; b; b=att;
```

a) b=4, a=4

b) b=3, a=3

c) b=3, a=4

d) b=4, a=3

14) what is the output?

```
int a=3, b; b = ++a;
```

a) b=4, a=4

b) b=3, a=3

c) b=3, a=4

d) b=4, a=3



15) Which of the following is valid usage of increment operator?

a)  $++(a+b)$

b)  $a+++$

c)  $++a$

d)  $++10$

16) What is the output?

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

a) 11

b) 12

c) 10

d) 13

17) The decrement operator cannot be applied

a) Integer variables b) float variables

c) Constants d) character variables

18) What is the output?

```
char c='A'; c++; printf("%c", c);
```

a) A b) B c) C d) D

19) Which statement is true?

- a) Pre-increment increments value before usage
- b) Post-increment decrements value
- c) Pre-decrement increments increases value.
- d) None.

20) What is the output?

```
int a=4; printf("%d",a);
```

- a) 45
- b) 56
- c) 46
- d) 64

Programme to find Maximum Between three  
Numbers Using Nested if-else statements.

Aim:

to write a C program that reads three  
numbers and finds the Maximum number among  
them using nested if-else statements.

Algorithm: (BRANCHING & LOOPING)

1. Start the program.
2. Declare three variables a, b and c
3. Read three numbers from the user.
- 4) Use nested if conditions to compare the  
numbers.

- If  $a$  is greater than  $b$ , then Check:
  - $\Rightarrow$  If  $a$  is also greater than  $c$ , then  $a$  is the largest.
  - $\Rightarrow$  Else  $c$  is the largest.
  - $\Rightarrow$  Else check:
  - $\Rightarrow$  If  $b$  is greater than  $c$ , then  $b$  is the largest.
  - $\Rightarrow$  Else  $c$  is the largest.
- 5) Display the Maximum number.
- 6) Stop the Program.

C Program Using Nested If of switching

```
#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 number = %d", a);
```

```
}
```

```
else.
```

```
{
```

```
    if (b > c)
```

```
{
```

```
    printf ("Maximum number = %d", c);
```

```
}
```

```
else
```

```
{
```

```
    if (b > c)
```

```
{
```

```
    printf ("Maximum number = %d", b);
```

```
}
```

```
else
```

```
{
```

```
    printf ("Maximum number = %d", c);
```

```
}
```

```
{
```

```
    getch();
```

```
}
```

Out Put :

Enter three numbers : 20 45 10

Maximum number = 45