

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