1) Prepare 20 mca's of increment and decrement:

a.) 20 mcqs- Increment & Decrement operators.

1) Which operator increases the value of a variable by 1?

A) --   B.) ++   c) +=2   D) =+1

2.) What is the output of the following?
```
int a.5.
printf("%d"),a++);
```
A) 5   B) 6   c) 4   D) Error.

3.) What is the value of a after this?
```
int a=10,
++a;
```
A) 9   B) 10   c) 11   D) 12.

4.) Which operator decreases the value of a variable by 1?
A) ++   B) --   c) -=2   D) =1

5) What does a-- represent?
A) post-increment   B) post-decrement   c) pre-increment
d) pre-decrement.

6) What is the output?
```
int a=3,
printf("%d,++a);
```
A) 2   B) 3   c) 4   D) Error.

7) What is the output?
```
int a.7
printf("%d", %d", a++, ++a),
```
A) 78   B) 84   c) 79   D) Undefined behavior

8) Which of the following is pre-increment?
A) a++   B) ++a   c) a--   D) --a

9) What is the output?

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

A) 10   B) 11   C) 12   D) Undefined behaviour.

10) What is the final value of a?

```
int a= 6;
a--;
--a;
```

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

11) What is the output?

```
int a=2;
printf("%d", --a).
```

A) 1   B) 2   C) 3   D) Error.

12) The expression ++a is executed --

a) Before using the value   B) After using the value   c) Randomly

D) None

13.) What will this print?

```
int a=4, b;
b= a++ * 2;
printf("%d %d", a, b);
```

a) 48   B.) 58   C) 410   D) 510

14) What is the output?

```
int a =10;
printf("%d", a--);
```

a) 9   B.) 10   C.) 11   D.) Error.

15.) What is correct about increment operators?

A) They only work with integers

B) They increase value by 2

C) They can be prefix or postfix.

D) None

16.) What is the output?

```
int y=1;
int y = ++x + x++;
printl("y.d", y);
```

A) 2   B) 3   C) 4   D) Undefined behavior.

17.) Which is postfix decrement?

A) --a   B) a--   C) ++a   D) a++.

18.) Which operator is executed execoled first in this expression?

```
++a +a++
```

A) ++a   B) a++   C) Depends on compiler   D) Both at same time.

19) what is the output?

```
int a=0.
a = a++ - --a + ++a;
printl("y.d", a);
```

A) 0   B) 1   C) 2   D) Undefined behavior.

20.) Increment and decrement operators are...

A) Unary operators   B) Binary operators   C) Ternary operator

D) Assignment operators.

3.) Programming to find maximum between three numbes
using nested if.

Ans)
```c
#include <stdio.h>
int a, b, c;
printf("Enter three numbers");
scanf("%d %d %d," &a, &b, &c);
if (a > b) {
    if (a > c) {
        printf("%d is the largest.", a);
    } else {
        printf("%d is the largest.", c);
    } else {
        if (b > c) {
            printf("%d is the largest.", b);
        } else {
            printf("%d is the largest.", c);
        }
    }
    return 0;
}.
```

4) Question on loops:-

Programming