

② Program 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 ("%d is the maximum.\n", a);
        } else {
            printf ("%d is the maximum.\n", c);
        }
    } else {
        if (b>c) {
```

```
printf("%d is the maximum.\n"; b);
```

```
} else {
```

```
    printf("%d is the maximum.\n"; c);
```

```
}
```

```
}
```

```
return 0;
```

```
}.
```

② Prepare 20 MCQ's of increment / decrement operations and conditional statements.

1. what is the output of the following code?

C

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

- A) 4 B) 5 C) 6 D) ERROR

Ans :- B = 5

2. what is the value of a after execution?

C

```
int a = 10;  
a--;
```

- A) 9 B) 10 C) 11 D) 8

Ans :- A = 9

3. what is printed?

C

```
int a = 3;  
printf("%d", ++a);
```

- A) 3 B) 4 C) 5 D) ERROR

Ans :- B = 4

4. which executes first in a++?

- A) Increment B) value used in expression.
C) Both simultaneously D) depends on compiler

Ans :- B = value used in expression.

5. output?

```
c  
int a=5, b;  
b=a++ + ++a;
```

```
printf("%d.%d", b);
```

- A) 11 B) 12 C) 13 D) undefined behaviour.

Ans:- D = undefined behaviour

6. which of the following is a conditional operator?

- A) && B) ?: C) == D) <>

Ans:- B = ?:

7. output?

c

```
int a=2, b=3;
```

```
if (a>b)
```

```
printf ("A");
```

```
else
```

```
printf ("B");
```

- A) A B) B C) AB D) NO output.

Ans:- B = B

8. what is the output?

c

```
int x=1;
```

```
if (x--)
```

```
printf ("yes");
```

```
else
```

```
printf ("NO");
```

- A) yes B) NO C) 0 D) 1

Ans:- A = yes

9. which operator has the highest precedence?

- A) ++ B) && C) == D) =

Ans:- A = ++

10. output?

```
C  
int a=0;  
if (++a)  
    printf ("Hello");  
else  
    printf ("Hi");
```

- A) Hello B) Hi C) 0 D) error.

Ans:- A = Hello

11. output?

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

- A) 5 7 B) 6 7 C) undefined behaviour D) 5 6

Ans:- D) 5 6

12. output of this code:

```
C  
int a=5;  
if (a++ == 5)  
    printf ("True");  
else  
    printf ("False");
```

- A) True B) False C) Error D) No output.

Ans:- B = False

13. Output?

```
C  
int a=10;  
if (--a == 10)  
    printf ("Yes");  
else  
    printf ("No");
```

- A) Yes B) No C) Error D) undefined.

Ans:- B = NO

14. Ternary operator format is:

- A) condition? expr 1: expr 2
- B) expr 1: expr 2 ? condition
- C) condition: expr 1? expr 2
- D) None.

Ans:- A = condition? expr 1: expr 2

15. Output ?

C

int x = 5;

int y = (x++ > 5) ? 10 : 20;

printf ("%d", y);

- A) 10
- B) 20
- C) 5.
- D) ERROR.

Ans:- A = 10

16. Output ?

C

int i = 1;

while (i-- > 0)

printf ("A");

- A) A
- B) AA
- C) No output
- D) Infinite loop.

Ans:- B = AA

17. Which is correct?

A) ++a increase after use

B) a++ increase a before use

C) + + a increase a before use.

D) a++ increases a twice.

Ans:- C = + + a increase a before use

18. Which of the following is NOT a relational operator?

- A) ==
- B) !=
- C) > =
- D) &&

Ans:- D = &&

19. output?

C

```
int a=0, b=1;  
if (a++ && b++)  
    printf ("X");  
else  
    printf ("Y");
```

- A) X B) Y C) Error D) 1

Ans:- A = X

20. output?

C

```
int a=3, b=4;  
printf ("%d", a++ * ++b);
```

- A) 12 B) 16 C) 15 D) undefined.

Ans:- B = 16.