C programing MCQ's 2/11/25

(1) what will be the output of this code?

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

a) 5 b) 6 c) 4 d) error

(2) what does the operator ++ do?

a) increase value by 1

b) decrease value by 1

c) multiplies by 2

d) None

(3) what will be the value of a after this code?

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

a) 9 b) 10 c) 11 D) 8

(4) output of this code:

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

A) 5,5 B) 6,6 C) 6,5 D) 5,6

(5) output of this code:

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

a) 5 5 b) 6,5 c) 6,6 D) 5,6

(6) what is the result of (a >> 1) when (a = 8)?

A) 4 B) 16 C) 2 D) 0

(7) Left shift by 1 bit (a << 1) is equivalent to:

A) Divide by 2 B) Multiply by 2

C) Subtract 1 D) Add 1

(8) what will be the output.

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

A) 2 B) 4 C) 8 D) 16

(9) If a = 16, then a >> 2 gives:

A) 8 B) 4 C) 2 D) 1

(10) which operator decreases value by 1 before using it?

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

(11) which is printed by the following code?

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

A) 9 B) 10 C) 11 D) error

(12) If a = 3, what is a << 3?

A) 6 B) 9 C) 24 D) 12

(13) which of the following is not a valid shift operator?

A) A<< B) B>> C) C<< D) None

(14) Right shift divides a number by:

A) 2 B) 4 C) 8 D) 2 for each shift

(15) Output of this code:

```
int x = 7;
printf ("%d", x>>1);
```

A) 3 B) 3.5 C) 14 D) 2

(16) What is the output?

```
int x = 1;
x = x << 5;
printf ("%d", x);
```

A) 5 B) 16 C) 32 D) 8

(17) Which expression is same as $x = x + 1$?

A) x++ B) ++x C) Both A and B

D) None

(18) What does this code print?

```
int x = 10;
printf ("%d", ++x + x++);
```

A) 21 B) 22 C) 20 D) 23

(19) If x = 4, what is x>>2?

A) 1 B) 2 C) 0 D) 8

(20) What is the output?

```
int x = 5;
x <<= 1;
printf ("%d", x);
```

A) 10 B) 2 C) 20 D) 8