

1) what is the output of the following code?

```
c int a = 5;  
a = a << 2;  
printf("%d", a);
```

- A) 7
- B) 10
- C) 20
- D) 2

2) which operator shifts all bits to the right?

- A) <<
- B) >>
- C) >>>
- D) - ->

3) what is the output of this code?

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

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

4) what is the output of this code?

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

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

5) what does this code print?

```
c  
int a = 8;  
a = a >> 1;  
printf("%d", a);
```

- A) 4
- B) 16
- C) 9

6) Which of the following is a valid use of shift operators?

- A) Multiplying or dividing by powers of 2
- B) Finding even or odd numbers
- C) Incrementing a variable by 1
- D) Reversing a string.

7) What is the output?

C
int x=4;

int y=x+++++x;

printf ("%d", y);

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

8) Which statement is TRUE about the decrement operator (--)?

- A) It increases the value by 1
- B) It decreases the value by 1
- C) It shifts bits to the right
- D) It shifts bits to the left.

9) What will this print?

int a=7;

int b=a----a;

printf ("%d", b);

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

10) Which operator has the highest precedence?

- A) ++
- B) --
- C) <<
- D) Both A and B

11) What is the output of the following code?

```
int a=3;
```

```
printf ("%d", a<<3);
```

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

12) What is the output of this code?

```
int x=16;
```

```
x=x>>2;
```

```
printf ("%d", x);
```

- A) 4
- B) 8
- C) 32
- D) 2

13) What is the output?

```
int i=5;
```

```
printf ("%d", i++ * ++i);
```

- A) 36
- B) 25
- C) 36
- D) undefined

14) choose the correct statement

- A) ++x increases value after using it
- B) x++ increases value before using it
- C) ++x increases value before using it
- D) Both A and B

15) What is the output?

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

```
b = --a + a--;
```

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

- A) 8
- B) 9
- C) 10
- D) 7