

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) 2



6) which of the following is a valid use of shift operator?

- 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?

```
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) 1
- 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