

1. What does the increment operator ++ do?

- a) Decreases a variable by 1
- b) Increases a variable by 2
- c) Multiplies a variable by 2
- d) Divides a variable by 2

2) Which keyword is used to exit a loop?

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

- a) --
- b) ++
- c) += 2
- d) = + 1

3) What is the output of the following

- a) 15
- b) 6
- c) 4
- d) Error

4) Which is post-fix decrement?

- a) --a
- b) a--
- c) ++a
- d) a++

5) What is the output?

- a) 10
- b) 11
- c) 12
- d) Undefined behavior.

6) What is the output of the following code snippet?

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

- a) x=15, y=15
- b) x=19, y=19
- c) x=17, y=17
- d) x=10, y=10

7) what will be the output of the following c code?

```
#include <stdio.h>
```

```
int main ()
```

```
{
```

```
    int a=1, b=1, c;
```

```
    c=a++ + b;
```

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

```
}
```

a) a=1, b=1

b) a=2, b=1

c) a=1, b=2

d) a=2, b=2

8) for which of the following, "p1++", code will fail?

a) #define p1=3.14

b) char *p1="A";

c) float p1=3.14;

d) None

9) what will be the output of the following c code?

```
int main () {
```

```
    int i=0;
```

```
    int j=i++ + i;
```

```
    printf ("%d\n", j);
```

```
}
```

a) 0

b) 1

c) 2

d) compile time error.

10) what is the output of printf ("%d", ++(-1)); if i is 10?

a) 11

b) 10

c) -9

d) None

11) what is the output of following code: int i=0; int j=i++ + i;

a) 0

b) 1

c) 2

d) 3

12) which of the following is the c++ increment operator?

a) --

b) ++

c) +

d) -

13) which of the following is the c++ decrement operator?

a) --

b) ++

c) +

d) -

14) which type of increment operator is ++ variable?

a) postfix

b) prefix

c) unary

d) None

15) what value does the variable b have after the following code executes?

```
int a=1;
```

```
int b=a++;
```

- a) 1 b) 2 c) 3 d) error

16) what will be the value of z after the following code snippet executes

```
int x=3;
```

```
int y=4;
```

```
int z=++x * y++;
```

- a) 9 b) 12 c) 16 d) 20

17) choose the correct statement about ++x.

a) increments x after use

b) decrement x before use

c) increment x before use

d) decrement x after use

18) 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

19. which is the output of the following:

```
int a=5;
```

```
printf("%.d",a++);
```

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

20) what is the value of a after this?

```
int a=10;
```

```
++a;
```

- a) 9 b) 10 c) 11 d) 12