1⃣ Which operator increments the value of a variable by 1 after its use?
a) ++i
b) i++
c) --i
d) i--
Answer: b

2⃣ What will be the output of the following code?

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

a) 4
b) 5
c) 6
d) Error
Answer: c

3⃣ What will be the output?

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

a) 9
b) 10
c) 11
d) Error
Answer: b

4⃣ Which operator is used to decrement the value by 1 before evaluation?
a) a--
b) --a
c) ++a
d) a++
Answer: b

5⃣ What is the result of this?

```
int x = 3, y;
y = x++ + 5;
```

a) y=8, x=3
b) y=8, x=4
c) y=7, x=4
d) y=7, x=3
Answer: b

6⃣ Which is a correct usage of the conditional statement?
a) if (a > b)
b) if a > b
c) if a > b:

d) if(a > b);
Answer: a

7️⃣ Which statement checks multiple conditions?
a) if
b) if-else
c) switch
d) for
Answer: c

8️⃣ Output of?

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

a) 9
b) 10
c) 8
d) 11
Answer: a
(Explanation: --a ⇒ 4, then 4 + 5 = 9)

9️⃣ What will this print?

```
int i = 2;
if(i++ == 2)
printf("YES");
else
printf("NO");
```

a) YES
b) NO
c) 3
d) None
Answer: a

🔟 Which is an invalid increment/decrement use?
a) ++i
b) i++
c) i--
d) ++(i+1)
Answer: d

11️⃣ Output of statement:

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

a) 9
b) 10
c) 11
d) Undefined
Answer: d

12⃞ Which operator executes condition first, then increments?
a) Pre-increment
b) Post-increment
c) Pre-decrement
d) None
Answer: b

13⃞ Choose correct syntax:
a) if(a == b)
b) if(a = b)
c) if a == b
d) if(a = b):
Answer: a

14⃞ Output:

```
int x = 7;
if(--x == 6)
printf("A");
else
printf("B");
```

a) A
b) B
c) 7
d) None
Answer: a

15⃞ Which executes only when condition is false?
a) if
b) if-else
c) else
d) else-if
Answer: c

16⃞ What is the output?

```
int a = 3;
if(a++ > 3)
printf("OK");
else
printf("NOT OK");
```

a) OK
b) NOT OK
c) 3
d) 4
Answer: b

17⃞ Which statement is correct about ++a?
a) returns original value
b) increments after execution
c) increments before execution
d) decrements before execution

Answer: c

18】 Output?

```
int x = 1;
if(++x && x++)
printf("%d", x);
```

a) 1
b) 2
c) 3
d) 4
Answer: c
19】 Which operator checks equality in C?
a) =
b) ==
c) !=
d) >=
Answer: b

20】 Output:

```
int i = 5;
if(i-- >= 5)
printf("TRUE");
else
printf("FALSE");
```

a) TRUE
b) FALSE
c) Error
d) 6
Answer: a

```c
#include<stdio.h>

void main() {
int a, b, c;


printf("Enter three integers: ");
scanf("%d %d %d", &a, &b, &c);

if (a>b) {
if (a >c) {
printf("The maximum number is: %d\n", a);
} else {

printf("The maximum number is: %d\n", c);
}
} else {

if (b>c) {

printf("The maximum number is: %d\n", b);
} else {

printf("The maximum number is: %d\n", c);
}
}


}
```

```c
#include <stdio.h>

int main() {

  int a, b;

  printf("Enter two numbers: ");

  scanf("%d %d", &a, &b);

  if (a >= b) {

    if (a == b) {

      printf("Both numbers are equal: %d\n", a);

    } else {

      printf("The maximum number is: %d\n", a);

    }

  } else {

    printf("The maximum number is: %d\n", b);

  }
```

```
  return 0;

}
```