Q1. Which of the following is a valid variable name in C++?
a. 2value
b. number-count
c. int
d. num_1

Q2. Which of the following escape sequences moves the cursor to the next line?
a. \t
b. \n
c. \\
d. \"

Q3. What would be the output of the following code:

```
int x = 10;
x++;
++x;
x--;
cout << x;
```

a. 10
b. 11
c. 12
d. 9

Q4. Which of the following code finds if the number is even:
a. (num / 2 == 0)
b. (num % 2 == 0)
c. (num / num == 2)
d. (num % 2 == "even")

Q5. Which statement about the switch structure is TRUE?
a. switch can only be used with strings.
b. switch can be used with int and char.
c. switch allows ranges in case labels.
d. switch requires a default case.

Q6. Which of the following will correctly print the text: He said "hello"
a. cout << "He said "Hello"";
b. cout << "He said \"Hello\"";
c. cout << 'He said "Hello"';
d. cout << "He said 'Hello'";

Q7. Consider:
    int x = 10, y = 3;
    cout << x / y;
a. 3
b. 3.3
c. 3.0
d. Error

Q8. What will be the output:
    int x = 7;
    int y = 2;
    *cout << x / (y * y);*
a. 7
b. 1
c. 3.5
d. 2

Q9. For which values of x will this code print "Inside"?

    if (x > 0 && x < 10)
      cout << "Inside";

a. x = 0
b. x = 5
c. x = 10
d. x = -1

Q10. Consider two numbers a=10, b=20,and c=0, then what would be the right way to swap a and b.
a. c= a;   a = b;   b = c;
b. c= b;   a = a;   b = c;
c. a= c;   c = b;   b = c;
d. None of the above

Q11. What would be the output of the following program:

```
int x = 2;
if (x > 1)
{
    if (x > 3)
    {
        cout << "A";
    }
    else
    {
        cout << "B";
    }

}
else
{
    cout << "C";
}
```

a. A
b. B
c. C
d. Nothing

Q12. What is the output of the following program:
> *int x = 5, y = 7, z = 10;*
> *cout << (x < y && y < z && z < 20);*

a. 0
b. 1
c. true
d. Error

Q13. What will the following program print:
> *int a = 3, b = 5, c = 7;*
> *cout << ((a < b) && (b < c) || (c < a));*

a. 0
b. 1
c. true
d. false

Q14. If a = true, b = false, c = true, what will this code return:
> *a || b && c*

a. true
b. false
c. 1
d. 0

Q15. Consider the following program, what would be the output:

```
int a= 10; a++; a++;
cout<<a++;
```

a. 10
b. 13
c. 12
d. 14

Q16. What would be the output of the following program:

```
int x = 1;
switch(x) {
case 1: cout << "One";
case 2: cout << "Two"; break;
default: cout << "Other";
}
```

a. One
b. Two
c. Other
d. Something Else

Q17. What does this program print?

```
int x = 5;
cout << ++x;
```

a. 4
b. 5
c. 6
d. Error

Q18. += is called _____ operator.
a. Comparison
b. Assignment
c. Relational
d. Logical

Q19. Which of the following is a relational operator in C++?
a. !=
b. &&
c. ||
d. =

Q20. What will be the value of x after execution?

```
int x = 5;
x++;
++x;
```

a. 5
b. 6
c. 7
d. 8