• 0 out of 1 points

A control structure alters the normal sequential flow of execution in a program.
Selected Answer: [None Given]
Answers: True
False

• Question 2

0 out of 1 points

The symbol > is a logical operator.
Selected Answer: [None Given]
Answers: True
False

• Question 3

0 out of 1 points

In C++, both ! and != are relational operators.
Selected Answer: [None Given]
Answers: True
False

• Question 4

0 out of 1 points

In C++, the logical operator AND is &&.
Selected Answer: [None Given]
Answers: True
False

• Question 5

0 out of 1 points

In C++, !, &&, and || are called relational operators.
• **Question 6**

0 out of 1 points

The expression \((x \geq 0 \&\& x \leq 100)\) evaluates to false if either \(x < 0\) or \(x \geq 100\).

Selected Answer: ✗[None Given]
Answers: 
- True
- ✗False

• **Question 7**

0 out of 1 points

Suppose \(P\) and \(Q\) are logical expressions. The logical expression \(P \&\& Q\) is true if both \(P\) and \(Q\) are_____________.

Selected Answer: ✗[None Given]
Answers: 
- ✗True
- False

• **Question 8**

0 out of 1 points

The value of the expression \('a' < 'A'\) is_________________.

Selected Answer: ✗[None Given]
Answers: 
- True
- ✗False

• **Question 9**

0 out of 1 points

The value of the expression \(7 + 8 \leq 15\) is______________.

Selected Answer: ✗[None Given]
• **Question 10**

0 out of 1 points

In C++, \&\& has a higher precedence than ||.
Selected Answer: ❌[None Given]
Answers: ✔️True
,False

• **Question 11**

0 out of 1 points

In C++, all relational operators are evaluated before logical operators.
Selected Answer: ❌[None Given]
Answers: ✔️True
,False

• **Question 12**

0 out of 1 points

The operators != and == have the same order of precedence.
Selected Answer: ❌[None Given]
Answers: ✔️True
,False

• **Question 13**

0 out of 1 points

Suppose found = true and num = 6. The value of the expression (!found) || (num > 6) is _______________.
Selected Answer: ❌[None Given]
Answers: ✔️True
,False
• **Question 14**

0 out of 1 points

Suppose \( x = 10 \) and \( y = 20 \). The value of the expression \((x \geq 10) \&\& (y \leq 20)\) is ________________.

Selected Answer: ❌[None Given]

Answers:   ✔True
            ❌False

• **Question 15**

0 out of 1 points

The value of the expression

\[ 6 < 5 \mid\mid 'g' > 'a' \&\& 7 < 4 \]

is ________________________.

Selected Answer: ❌[None Given]

Answers:   True
            ✔False

• **Question 16**

0 out of 1 points

The result of a logical expression cannot be assigned to an int variable, but it can be assigned to a bool variable.

Selected Answer: ❌[None Given]

Answers:   True
            ✔False

• **Question 17**

0 out of 1 points

Consider the following statements.

```c
int score;
string grade;

if (score >= 65)
```
grade = "pass";
else
  grade = "fail";

If score is equal to 75, the value of grade is "pass".

Selected Answer: ❌[None Given]
Answers: ✔True
         ❌False

• Question 18

0 out of 1 points

Every if statement must have a corresponding else.

Selected Answer: ❌[None Given]
Answers: ✔True
         ❌False

• Question 19

0 out of 1 points

The expression in the following if statement evaluates to true only if the value of score is 50.

if (score = 50)
  grade = 'Z';

Selected Answer: ❌[None Given]
Answers: ✔True
         ❌False

• Question 20

0 out of 1 points

Suppose x is 5 and y is 7. Choose the value of the following expression:

(x != 7) && (x <= y)

Selected Answer: ❌[None Given]
Answers: false
• **Question 21**

0 out of 1 points

Suppose that \( x \) is an \( \text{int} \) variable. Which of the following expressions always evaluates to true?

Selected Answer: [None Given]

Answers:

\[
(x > 0) \text{ || } (x <= 0) \\
(x >= 0) \text{ || } (x == 0) \\
(x > 0) \text{ && } (x <= 0) \\
(x > 0) \text{ && } (x == 0)
\]

• **Question 22**

0 out of 1 points

Which of the following operators has the highest precedence?

Selected Answer: [None Given]

Answers:

\[
! \\
* \\
% \\
=
\]

• **Question 23**

0 out of 1 points

Which of the following expressions correctly determines that \( x \) is greater than 10 and less than 20?
Selected Answer: 🔴[None Given]
Answers: 10 < x < 20
(10 < x < 20)
✔ 10 < x && x < 20
10 < x || x < 20

- **Question 24**

0 out of 1 points

What is the output of the following C++ code?

```cpp
int x = 35;
int y = 45;
int z;
if (x > y)
    z = x + y;
else
    z = y - x;

cout << x << " " << y << " " << z << endl;
```

Selected Answer: 🔴[None Given]
Answers: 35 45 80
✔ 35 45 10
35 45 -10
35 45 0

- **Question 25**

0 out of 1 points

What is the output of the following code?

```cpp
if (6 > 8)
    cout << " ** " << endl ;
else if (9 == 4)
```
cout << "***" << endl;
else
    cout << "*" << endl;

Selected Answer: ✗[None Given]

Answers:
  ✔
  *
  **
  ***
  ****

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