

C++ TEST-3 (FLOW CONTROL-IF ELSE)

Total points 50/50 ?

STUDENT NAME *

VIVA
.....

✓ 1. Which keyword is used to make a decision in C++? *

1/1

- ☐ A) choose
- ☒ B) if
- ☐ C) switch
- ☐ D) select



✓ 2. What is the correct syntax of an if statement? *

1/1

- ☐ A) if condition { }
- ☐ B) if (condition);
- ☒ C) if (condition) { statements; }
- ☐ D) if condition [statements];



✓ 3.The expression inside an if statement must return a _____.*

1/1

- ☐ A) int
- ☒ B) bool
- ☐ C) float
- ☐ D) char



✓ 4.The else block executes when the if condition is _____.*

1/1

- ☐ A) True
- ☒ B) False
- ☐ C) Null
- ☐ D) Undefined



✓ 5.What is the output of this code? *

1/1

```
int x = 5;  
  
if (x > 10)  
    cout << "High";  
  
else  
    cout << "Low";
```

- ☐ A) High
- ☒ B) Low
- ☐ C) Error
- ☐ D) No output



✓ 6.The if statement can be followed by an optional _____ block. *

1/1

- ☐ A) when
- ☒ B) else
- ☐ C) then
- ☐ D) case



✓ 7.How many else statements can follow a single if? *

1/1

- ☒ A) 1
- ☐ B) 2
- ☐ C) 3
- ☐ D) Infinite



✓ 8.What will be the output? *

1/1

```
int x = 10;  
  
if (x == 10)  
    cout << "Yes";  
  
else  
    cout << "No";
```

- ☒ A) Yes
- ☐ B) No
- ☐ C) Error
- ☐ D) None



✓ 9. What is wrong in this statement? *

1/1

if x > 5

cout << "Hi

- ☐ A) Missing braces
- ☐ B) Missing semicolon
- ☒ C) Missing parentheses around condition
- ☐ D) Nothing



✓ 10. Can if statements be nested in C++? *

1/1

- ☒ A) Yes
- ☐ B) No
- ☐ C) Only once
- ☐ D) Only inside functions



✓ 11. What will be the output? *

1/1

```
int x = 5;  
  
if (x > 2)  
  
    if (x < 10)  
  
        cout << "Yes";  
  
    else  
  
        cout << "No";
```

- ☒ A) Yes
- ☐ B) No
- ☐ C) Error
- ☐ D) Nothing



✓ 12. Which of the following is a correct nested if statement? *

1/1

- ☐ A) if (a) if (b) statement;
- ☐ B) if (a) { if (b) statement; }
- ☒ C) Both A and B
- ☐ D) None



✓ 13. What will this output? *

1/1

```
int x = 3;
```

```
if (x > 5)
```

```
    cout << "A";
```

```
else if (x > 2)
```

```
    cout << "B";
```

```
else
```

```
    cout << "C";
```

- ☐ A) A
- ☒ B) B
- ☐ C) C
- ☐ D) Error



✓ 14. How many if statements can an else if chain have *

1/1

- ☐ A) One
- ☐ B) Two
- ☒ C) Any number
- ☐ D) None



✓ 15. What is the output? *

1/1

```
int a = 5, b = 10;
```

```
if (a > b)
```

```
    cout << "A";
```

```
else if (a == b)
```

```
    cout << "Equal";
```

```
else
```

```
    cout << "B";
```

- ☐ A) A
- ☐ B) Equal
- ☒ C) B
- ☐ D) Error



✓ 16. Which keyword is used to check multiple conditions sequentially? *

1/1

- ☐ A) if
- ☒ B) if-else if
- ☐ C) switch
- ☐ D) loop



✓ 17. The else block always belongs to the _____ if. *

1/1

- ☐ A) First
- ☐ B) Last
- ☒ C) Nearest unmatched
- ☐ D) Any



✓ 18. What will happen if both if and else conditions are true? *

1/1

- ☐ A) Both execute
- ☒ B) Only if executes
- ☐ C) Only else executes
- ☐ D) Error



✓ 19. The body of an if or else statement can contain _____. *

1/1

- ☐ A) Only one line
- ☒ B) One or more statements
- ☐ C) Only loops
- ☐ D) Only functions



✓ 20. What is the result of this? *

1/1

```
if (5)
```

```
    cout << "Hello";
```

- ☐ A) Error
- ☐ B) No output
- ☒ C) Hello
- ☐ D) Runtime error



✓ 21. In C++, a non-zero value in if(condition) means _____. *

1/1

- ☒ A) True
- ☐ B) False
- ☐ C) Undefined
- ☐ D) Error



✓ 22. What will this code print? *

1/1

```
int a = 0;  
  
if (a)  
  
    cout << "True";  
  
else  
  
    cout << "False";
```

- ☐ A) True
- ☒ B) False
- ☐ C) 0
- ☐ D) None



✓ 23. Which symbol is used for equality comparison in if condition? *

1/1

- ☐ A) =
- ☒ B) ==
- ☐ C) :=
- ☐ D) equals



✓ 24. What happens if you use = instead of == in if(a=5)? *

1/1

- ☐ A) Comparison occurs
- ☒ B) Assignment occurs
- ☐ C) Syntax error
- ☐ D) Logical comparison



✓ 25. What is the result of this code? *

1/1

```
int a = 5;
```

```
if (a = 0)
```

```
    cout << "A";
```

```
else
```

```
    cout << "B";
```

- ☐ A) A
- ☒ B) B
- ☐ C) Error
- ☐ D) None



✓ 26. Which operator can be used inside an if condition? *

1/1

- ☐ A) Logical
- ☐ B) Relational
- ☐ C) Arithmetic
- ☒ D) All of the above



✓ 27. What is the output? *

1/1

```
int x = 10;  
  
if (x > 5 && x < 15)  
    cout << "Valid";  
  
else  
    cout << "Invalid";
```

- ☒ A) Valid
- ☐ B) Invalid
- ☐ C) Error
- ☐ D) None



✓ 28. What will be output if the condition in if is false? *

1/1

- ☐ A) Executes else
- ☐ B) Skips else
- ☐ C) Executes next statement
- ☒ D) Both A and C



✓ 29. What will happen if you omit braces for multiple statements in if? *

1/1

- ☐ A) All execute
- ☒ B) Only first executes
- ☐ C) Syntax error
- ☐ D) Runtime error



✓ 30. Which of the following is a valid use of if? *

1/1

- ☐ A) if (a = b)
- ☒ B) if (a == b)
- ☐ C) if (a => b)
- ☐ D) if (a equal b)



✓ 31. What is the output? *

1/1

```
int a = 5, b = 5;
```

```
if (a = b)
```

```
    cout << "Equal";
```

```
else
```

```
    cout << "Not equal";
```

- ☒ A) Equal
- ☐ B) Not equal
- ☐ C) Error
- ☐ D) None



✓ 32. Can if statements be used without else? *

1/1

- ☒ A) Yes
- ☐ B) No
- ☐ C) Only inside loops
- ☐ D) Only in functions



✓ 33. What is the output? *

1/1

```
int x = 0;  
  
if (x)  
  
    cout << "True";  
  
cout << "Done";
```

- ☐ A) True Done
- ☒ B) Done
- ☐ C) True
- ☐ D) Error



✓ 34. What is the output? *

1/1

```
int x = 1;  
  
if (x > 0)  
  
    if (x > 5)  
  
        cout << "Big";  
  
    else  
  
        cout << "Small";
```

- ☐ A) Big
- ☒ B) Small
- ☐ C) Error
- ☐ D) No output



✓ 35. What is the output? *

1/1

```
int a = 3, b = 7;  
  
if (a > 0)  
    if (b < 5)  
        cout << "X";  
  
    else  
        cout << "Y";
```

- ☐ A) X
- ☒ B) Y
- ☐ C) Error
- ☐ D) None



✓ 36. What is the use of if-else? *

1/1

- ☐ A) Repetition
- ☒ B) Decision making
- ☐ C) Data storage
- ☐ D) Arithmetic



✓ 37. Which statement executes only if the if condition is false? *

1/1

- ☐ A) if
- ☒ B) else
- ☐ C) switch
- ☐ D) break



✓ 38.. Can we write else if without an initial if? *

1/1

- ☐ A) Yes
- ☒ B) No
- ☐ C) Sometimes
- ☐ D) In loops only



✓ 39.What will be the output? *

1/1

```
int a = 2;  
  
if (a = 0)  
  
    cout << "Yes";  
  
else  
  
    cout << "No";
```

- ☐ A) Yes
- ☒ B) No
- ☐ C) Error
- ☐ D) None



✓ 40.Which logical operator is used for "AND" in C++? *

1/1

- ☐ A) &
- ☒ B) &&
- ☐ C) ||
- ☐ D) !



✓ 41. Which logical operator is used for "OR"? *

1/1

- ☐ A) &
- ☐ B) &&
- ☒ C) ||
- ☐ D) !



✓ 42. Which logical operator inverts the condition? *

1/1

- ☐ A) &
- ☐ B) &&
- ☐ C) ||
- ☒ D) !



✓ 43. What will this code print? *

1/1

```
int x = 0;  
  
if (!x)  
    cout << "True";  
  
else  
    cout << "False";
```

- ☒ A) True
- ☐ B) False
- ☐ C) Error
- ☐ D) None



✓ 44. What happens when the if condition contains a variable with negative value? *1/1

- ☐ A) Considered false
- ☒ B) Considered true
- ☐ C) Error
- ☐ D) None



✓ 45. The else block can never appear _____. *

1/1

- ☐ A) After if
- ☒ B) Before if
- ☐ C) Inside if
- ☐ D) In nested conditions



✓ 46. What is the output? *

1/1

```
int x = 10;
```

```
if (x > 10)
```

```
    cout << "A";
```

```
else if (x == 10)
```

```
    cout << "B";
```

```
else
```

```
    cout << "C";
```

- ☐ A) A
- ☒ B) B
- ☐ C) C
- ☐ D) Error



✓ 47. Which of the following data types can be used in an if condition? *

1/1

- ☐ A) int
- ☐ B) bool
- ☐ C) float
- ☒ D) All of the above



✓ 48.. What is the default return type of a condition in C++? *

1/1

- ☐ A) int
- ☒ B) bool
- ☐ C) void
- ☐ D) char



✓ 49.What happens if both branches (if and else) are empty? *

1/1

- ☐ A) Syntax error
- ☒ B) Compiles successfully
- ☐ C) Runtime error
- ☐ D) Undefined behavior



✓ 50.Which of the following statements is TRUE? *

1/1

- ☐ A) Every if must have an else
- ☒ B) Every else must have an if
- ☐ C) Both must exist together
- ☐ D) Neither is required



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