

C LANG TEST-2 (OPERATORS)

Total points 50/50 

STUDENT NAME *

VIVA

✓ 1. Which of the following symbols represents the assignment operator *1/1 in C?

- A) ==
- B) =
- C) :=
- D) !=

✓

✓ 2. Which of the following is a logical operator in C? * 1/1

- A) &&
- B) ++
- C) *=
- D) %

✓

✓ 3. The modulus operator (%) can be used only with: *

1/1

- A) float operands
- B) integer operands
- C) character operands
- D) both float and integer

✓

✓ 4. Which of the following is a relational operator? *

1/1

- A) &&
- B) ==
- C) +=
- D) ++

✓

✓ 5. Which operator is used to access the value stored at a memory address? *

1/1

- A) &
- B) *
- C) ->
- D) %

✓

✓ 6. The operator '++' is known as: *

1/1

- A) Addition operator
- B) Increment operator
- C) Decrement operator
- D) Compound operator

✓

✓ 7. What will be the value of x after $x += 5$ if initially $x = 10$? *

1/1

- A) 5
- B) 10
- C) 15
- D) 20

✓

✓ 8. The operator '==' checks for: *

1/1

- A) Assignment
- B) Equality
- C) Logical AND
- D) Bitwise AND

✓

✓ 9. Which of the following is a unary operator? *

1/1

- A) +
- B) -
- C) ++
- D) *

✓

✓ 10. Which of the following is the ternary operator in C? *

1/1

- A) ?:
- B) ++
- C) &&
- D) sizeof

✓

✓ 11. What is the output of $5 / 2$ in C? *

1/1

- A) 2.5
- B) 3
- C) 2
- D) Error

✓

✓ 12. What is the output of $5 \% 2$? *

1/1

- A) 1
- B) 2
- C) 0
- D) 3

✓

✓ 13. The operator used to combine conditions is: *

1/1

- A) &
- B) &&
- C) ||
- D) Both B and C

✓

✓ 14. Which operator is used to find the size of a variable in C? *

1/1

- A) length
- B) sizeof
- C) countof
- D) size

✓

✓ 15. The expression `a = b = c = 10`; is evaluated as: *

1/1

- A) `a = (b = (c = 10))`
- B) `(a = b) = (c = 10)`
- C) `a = b = (c == 10)`
- D) None of these

✓

✓ 16. Which operator has the highest precedence in C? *

1/1

- A) `++`
- B) `*`
- C) `()`
- D) `&&`

✓

✓ 17. What will be the value of `x` in `x = 4 + 9 * 2`? *

1/1

- A) 26
- B) 22
- C) 30
- D) 13

✓

✓ 18. Which of the following operators is used for bitwise AND? *

1/1

- A) &&
- B) ||
- C) &
- D) |

✓

✓ 19. Which of the following is not a logical operator? *

1/1

- A) &&
- B) ||
- C) !
- D) &

✓

✓ 20. What does the operator >> do? *

1/1

- A) Shifts bits to the left
- B) Shifts bits to the right
- C) Adds numbers
- D) Divides numbers

✓

✓ 21. What is the result of $10 >> 1$? *

1/1

- A) 5
- B) 10
- C) 20
- D) 15

✓

✓ 22. What is the output of $10 << 2$? *

1/1

- A) 20
- B) 40
- C) 80
- D) 100

✓

✓ 23. Which operator is used to allocate memory dynamically? *

1/1

- A) malloc()
- B) sizeof
- C) &
- D) ->

✓

✓ 24. The operator `->` is used with: *

1/1

- A) Arrays
- B) Pointers to structures
- C) Functions
- D) Loops

✓

✓ 25. The operator `&` gives the: *

1/1

- A) Value at address
- B) Address of variable
- C) Bitwise OR
- D) Logical AND

✓

✓ 26. Which of the following is a bitwise OR operator? *

1/1

- A) `&&`
- B) `||`
- C) `|`
- D) `%`

✓

✓ 27. Which operator is used for conditional checking? *

1/1

- A) ?:
- B) if else
- C) switch
- D) ==

✓

✓ 28. What is the result of !(5 == 5)? *

1/1

- A) 1
- B) 0
- C) 5
- D) Error

✓

✓ 29. What is the meaning of a %= 3? *

1/1

- A) a = a + 3
- B) a = a / 3
- C) a = a % 3
- D) a = 3 % a

✓

✓ 30. Which operator decreases the value of a variable by 1? *

1/1

- A) --
- B) ++
- C) -=
- D) /=

✓

✓ 31. The sizeof() operator returns value of type: *

1/1

- A) int
- B) float
- C) unsigned int
- D) long

✓

✓ 32. Which of these is not an arithmetic operator? *

1/1

- A) +
- B) *
- C) /
- D) &&

✓

✓ 33. Which of the following operators has the lowest precedence? *

1/1

- A) ()
- B) *
- C) =
- D) ++

✓

✓ 34. What is the output of $4 * 5 / 2$? *

1/1

- A) 10
- B) 20
- C) 8
- D) 2

✓

✓ 35. Which operator can be used to perform both addition and string concatenation? *

1/1

- A) +
- B) &
- C) *
- D) None

✓

✓ 36. What is the result of $5 > 3 \&& 2 < 4$? *

1/1

- A) true
- B) false
- C) 1
- D) 0

✓

✓ 37. What is the output of $5 == 6 \mid\mid 6 > 5$? *

1/1

- A) 0
- B) 1
- C) Error
- D) None

✓

✓ 38. Which of the following is not a compound assignment operator? *

1/1

- A) `+=`
- B) `/=`
- C) `%=`
- D) `==`

✓

✓ 39. The expression a && b || c is evaluated as: *

1/1

- A) ((a && b) || c)
- B) (a && (b || c))
- C) a && (b || c) && c
- D) None

✓

✓ 40. Which operator is used for type casting in C? *

1/1

- A) (type)
- B) convert()
- C) cast()
- D) typecast()

✓

✓ 41. What is the result of 5 & 3 (bitwise AND)? *

1/1

- A) 1
- B) 3
- C) 5
- D) 2

✓

✓ 42. Which of the following represents a bitwise XOR operator? *

1/1

- A) &
- B) |
- C) ^
- D) !

✓

✓ 43. What is the value of $5 \wedge 3$? *

1/1

- A) 2
- B) 6
- C) 7
- D) 8

✓

✓ 44. The expression $x = (a > b) ? a : b;$ means: *

1/1

- A) Assign smaller value to x
- B) Assign larger value to x
- C) Assign zero to x
- D) Compare x and y

✓

✓ 45. Which operator is used to join two conditions? *

1/1

- A) +
- B) ,
- C) &&
- D) =

✓

✓ 46. What is the result of !(0)? *

1/1

- A) 1
- B) 0
- C) -1
- D) Error

✓

✓ 47. The comma operator (,) is used to: *

1/1

- A) Separate expressions
- B) Perform addition
- C) Compare two values
- D) None

✓

✓ 48. What is the output of sizeof(char)? *

1/1

- A) 1 byte
- B) 2 bytes
- C) 4 bytes
- D) Depends on compiler

✓

✓ 49. Which operator is used to perform multiplication in C? *

1/1

- A) x
- B) *
- C) \times
- D) mult

✓

✓ 50. What is the result of $a = 2, b = 3, c = a + b, c$? *

1/1

- A) 2
- B) 3
- C) 5
- D) Error

✓

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