

C LANG TEST-2 (OPERATORS)

Total points 50/50 ?

STUDENT NAME *

VIVA

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

☐ 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 $10 \gg 1$? *

1/1

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



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

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 || 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) ×
- ☐ 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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