C++ TEST-2 (OPERATIONS)

Total points 50/50 ?

STUDENT NAME *

VIVA

✓ 1. **Which of the following is the correct symbol for the modulus operator** *1/1
   in C++?

   ⦿ A) %   ✓

   ◯ B) /

   ◯ C) *

   ◯ D) //

✓ 2. **The modulus operator can be used only with _____.** *   1/1

   ⦿ A) Integers   ✓

   ◯ B) Floating-point numbers

   ◯ C) Characters

   ◯ D) Strings

?

✓ **3. What will be the output of 7 / 2 in C++ (both operands are integers)?** *   1/1

○ A) 3.5

◉ B) 3   ✓

○ C) 4

○ D) 2

✓ **4. What is the output of 7 % 2?** *   1/1

◉ A) 1   ✓

○ B) 3.5

○ C) 0

○ D) 2

✓ **5. Which of the following is an arithmetic operator?** *   1/1

○ A) &&

○ B) ||

◉ C) +   ✓

○ D) =

✓ 6. **Which operator has the highest precedence in C++? *** 1/1

○ A) *

◉ B) () ✓

○ C) +

○ D) =

✓ 7. **The operator used for exponentiation in C++ is: *** 1/1

○ A) ^

○ B) **

◉ C) pow() function ✓

○ D) exp() function

✓ 8. **Which of the following is NOT a relational operator? *** 1/1

○ A) ==

○ B) !=

◉ C) = ✓

○ D) <=

?

9. What is the result of the expression (5 == 5)? *   1/1

○ A) 0

◉ B) 1   ✓

○ C) True

○ D) False

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10. The logical AND operator in C++ is: *   1/1

○ A) &

◉ B) &&   ✓

○ C) |

○ D) ||

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11. The logical OR operator in C++ is: *   1/1

○ A) &

○ B) &&

○ C) |

◉ D) || ✓

12. Which operator is used to invert a logical condition? *

1/1

- ● A) ! ✓
- ○ B) ~
- ○ C) ^
- ○ D) &

13. Which of the following is a bitwise operator? *

1/1

- ○ A) &&
- ○ B) ||
- ● C) & ✓
- ○ D) !

14. What does the operator << do in C++? *

1/1

- ○ A) Left shift bits
- ○ B) Right shift bits
- ○ C) Input data
- ● D) Both A and C ✓

✓ 15. **What does the operator >> do in C++?** * 1/1

○ A) Right shift bits

○ B) Left shift bits

○ C) Output data

◉ D) Both A and C ✓

✓ 16.**Which of the following is an assignment operator?** * 1/1

◉ A) = ✓

○ B) ==

○ C) !=

○ D) <=

✓ 17.**What is the output of int a = 5; a += 2;?** * 1/1

○ A) 5

◉ B) 7 ✓

○ C) 2

○ D) 10

✓ 18.**What is the meaning of a *= 3;?** * 1/1

○ A) a = a + 3

◉ B) a = a * 3   ✓

○ C) a = a - 3

○ D) a = 3

✓ 19. **Which operator is used to combine two or more conditions?** * 1/1

○ A) &

◉ B) && or || ✓

○ C) +

○ D) =

✓ 20. **The operator ++ is known as:** * 1/1

◉ A) Increment operator   ✓

○ B) Decrement operator

○ C) Assignment operator

○ D) Relational operator

21. The operator -- is known as: *

✓   1/1

○ A) Increment operator

⦿ B) Decrement operator   ✓

○ C) Relational operator

○ D) None

22. The expression ++a is known as: *

✓   1/1

○ A) Post-increment

⦿ B) Pre-increment   ✓

○ C) Post-decrement

○ D) Pre-decrement

23. The expression a++ is known as: *

✓   1/1

⦿ A) Post-increment   ✓

○ B) Pre-increment

○ C) Pre-decrement

○ D) Post-decrement

✓ 24. **Which operator is used for conditional evaluation?** * 1/1

○ A) if

○ B) switch

◉ C) ?: ✓

○ D) ==

✓ 25. **The expression x = (a > b) ? a : b; means:** * 1/1

○ A) x equals a if a < b

○ B) x equals b if a > b

◉ C) x equals a if a > b, otherwise b ✓

○ D) None

✓ 26. **The comma operator (,) in C++ is used to:** * 1/1

◉ A) Separate expressions ✓

○ B) Combine two variables

○ C) Skip execution

○ D) End statement

✓ 27. **What is the output of a = 10, b = 20, c = (a, b);?** *   1/1

○ A) 10

◉ B) 20   ✓

○ C) 30

○ D) Error

✓ 28. **Which operator is used to find the size of a variable?** *   1/1

○ A) size

◉ B) sizeof   ✓

○ C) length

○ D) measure

✓ 29. **The sizeof(int) on most modern compilers is:** *   1/1

○ A) 1

○ B) 2

◉ C) 4   ✓

○ D) 8

✓ 30. **Which of the following is NOT a unary operator?** * 1/1

○ A) ++

○ B) --

○ C) *

◉ D) + ✓

✓ 31. **The operator * when used in a declaration means:** * 1/1

○ A) Multiplication

◉ B) Pointer ✓

○ C) Address

○ D) Bitwise AND

✓ 32. **The operator & when used in an expression means:** * 1/1

○ A) Bitwise AND

○ B) Address of variable

○ C) Logical AND

◉ D) Both A and B ✓

✓ 33. **Which operator is used to access a member of a structure or class using a pointer?**   *1/1

○ A) .

◉ B) ->   ✓

○ C) *

○ D) &

✓ 34. **The operator . is used to access: ***   1/1

○ A) Class objects

○ B) Structure members

◉ C) Both A and B   ✓

○ D) None

✓ 35. **The ternary operator takes _____ operands. ***   1/1

○ A) 1

○ B) 2

◉ C) 3   ✓

○ D) 4

36. The new operator in C++ is used for: * ✓ 1/1

- ○ A) Creating variables
- ⦿ B) Dynamic memory allocation ✓
- ○ C) Freeing memory
- ○ D) Assigning values

37. The delete operator is used for: * ✓ 1/1

- ○ A) Creating variables
- ⦿ B) Freeing dynamically allocated memory ✓
- ○ C) Assigning values
- ○ D) Reinitializing pointers

38. What is the output of 10 << 1? * ✓ 1/1

- ○ A) 5
- ○ B) 10
- ⦿ C) 20 ✓
- ○ D) 2

✓ 39. **What is the output of 10 >> 1?** * 1/1

- ◉ A) 5 ✓
- ○ B) 10
- ○ C) 20
- ○ D) 2

✓ 40. **The operator ~ performs:** * 1/1

- ◉ A) Bitwise NOT ✓
- ○ B) Logical NOT
- ○ C) Increment
- ○ D) None

✓ 41. **The typeid operator is used for:** * 1/1

- ○ A) Dynamic memory allocation
- ◉ B) Type checking at runtime ✓
- ○ C) Size calculation
- ○ D) None

✓ 42. **The sizeof operator returns result in _____.** * 1/1

○ A) Bits

⦿ B) Bytes ✓

○ C) Kilobytes

○ D) None

✓ 43. **Which operator can be overloaded in C++?** * 1/1

○ A) sizeof

○ B) ?:

⦿ C) + ✓

○ D) .

✓ 44. **Which operator cannot be overloaded?** * 1/1

○ A) =

⦿ B) sizeof ✓

○ C) []

○ D) +

✓ 45. **Which operator is used to allocate an array dynamically? *** 1/1

○ A) malloc()

○ B) calloc()

◉ C) new[] ✓

○ D) alloc[]

✓ 46. **Which operator is used with pointers to access the value stored at** ***1/1**
the address?

○ A) &

◉ B) * ✓

○ C) ->

○ D) []

✓ 47. **Which operator is used to define namespaces in C++? *** 1/1

◉ A) :: ✓

○ B) .

○ C) ->

○ D) :

✓ 48. **What is the output of !(5 > 3)?** *   1/1

◉ A) 0   ✓

○ B) 1

○ C) True

○ D) False

✓ 49. **Which operator has the lowest precedence?** *   1/1

◉ A) =   ✓

○ B) &&

○ C) ||

○ D) ?:

✓ 50. **Which operator is used to concatenate output streams?** *   1/1

◉ A) <<   ✓

○ B) >>

○ C) &

○ D) +

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