

C++ TEST-6 (FUNCTIONS)

Total points 50/50 ?

STUDENT NAME *

VIVA

✓ 1.A function in C++ is used to: *

1/1

- ☐ A) Store data
- ☒ B) Perform a specific task
- ☐ C) Declare variables
- ☐ D) None of these



✓ 2.A function that calls itself is known as: *

1/1

- ☐ A) Nested function
- ☒ B) Recursive function
- ☐ C) Inline function
- ☐ D) Static function



✓ 3.. What is the correct syntax for declaring a function in C++? *

1/1

- ☒ A) return_type function_name();
- ☐ B) function_name return_type();
- ☐ C) function_name();
- ☐ D) void function_name;



✓ 4. Which keyword is used to return a value from a function? *

1/1

- ☐ A) output
- ☒ B) return
- ☐ C) break
- ☐ D) yield



✓ 5. The function definition must include: *

1/1

- ☒ A) Return type, name, and parameters
- ☐ B) Name and value
- ☐ C) Only return type
- ☐ D) Only parameters



✓ 6. The special function that is executed automatically when the program starts is: *1/1

- ☒ A) main()
- ☐ B) start()
- ☐ C) execute()
- ☐ D) begin()



✓ 7.The value passed to a function when it is called is known as: *

1/1

- ☐ A) Variable
- ☒ B) Argument
- ☐ C) Return value
- ☐ D) Parameter



✓ 8.A function can return: *

1/1

- ☒ A) Only one value
- ☐ B) Multiple values
- ☐ C) Only integer
- ☐ D) Nothing



✓ 9.Which of the following is not a valid return type in C++? *

1/1

- ☐ A) int
- ☐ B) void
- ☐ C) float
- ☒ D) define



✓ 10. Which of the following function does not return any value? *

1/1

- ☐ A) int func()
- ☐ B) float func()
- ☒ C) void func()
- ☐ D) double func()



✓ 11.. Function parameters are enclosed in: *

1/1

- ☐ A) {}
- ☐ B) []
- ☒ C) ()
- ☐ D) < >



✓ 12. What is function overloading? *

1/1

- ☒ A) Defining many functions with the same name but different parameters
- ☐ B) Calling multiple functions
- ☐ C) Function calling itself
- ☐ D) Function without parameters



✓ 13. A function that doesn't return a value should be declared as: *

1/1

- ☐ A) int
- ☒ B) void
- ☐ C) null
- ☐ D) none



✓ 14. The function prototype tells: *

1/1

- ☒ A) Function name and return type
- ☐ B) Function definition
- ☐ C) Function scope
- ☐ D) Function variable names



✓ 15. Default arguments are assigned: *

1/1

- ☐ A) In function call
- ☐ B) In function definition
- ☐ C) In function declaration
- ☒ D) Both B and C



✓ 16. Which function type allows returning a reference? *

1/1

- ☐ A) Inline function
- ☐ B) Reference function
- ☒ C) Function returning reference
- ☐ D) None



✓ 17. Inline functions are used to: *

1/1

- ☐ A) Save memory
- ☒ B) Reduce function call overhead
- ☐ C) Increase recursion
- ☐ D) Improve security



✓ 18. Which keyword is used before defining an inline function? *

1/1

- ☐ A) static
- ☒ B) inline
- ☐ C) dynamic
- ☐ D) auto



✓ 19. What is the output of the following code? *

1/1

```
int add(int a, int b) { return a + b; }
```

```
int main() { cout << add(2, 3); }
```

- ☒ A) 5
- ☐ B) 6
- ☐ C) 23
- ☐ D) Error



✓ 20. Which function is used to find the absolute value of a number? *

1/1

- ☒ A) abs()
- ☐ B) fabs()
- ☐ C) absolute()
- ☐ D) mod()



✓ 21. Functions that are declared inside a class are: *

1/1

- ☒ A) Inline by default
- ☐ B) Static
- ☐ C) Private
- ☐ D) Virtual



✓ 22. Recursive functions must have: *

1/1

- ☐ A) A loop
- ☒ B) A base condition
- ☐ C) No parameters
- ☐ D) A global variable



✓ 23. A function can be called from: *

1/1

- ☐ A) main() only
- ☐ B) Another function
- ☒ C) Both A and B
- ☐ D) None



✓ 24. The number of values a function can return is: *

1/1

- ☒ A) 0 or 1
- ☐ B) 1 only
- ☐ C) 0 only
- ☐ D) Any number



✓ 25. Which function declaration is correct? *

1/1

- ☒ A) int sum(int, int);
- ☐ B) sum(int, int);
- ☐ C) function sum(int, int);
- ☐ D) declare sum(int, int);



✓ 26. What is the function call syntax? *

1/1

- ☒ A) function_name();
- ☐ B) call function_name();
- ☐ C) function;
- ☐ D) execute function_name;



✓ 27. A function definition ends with: *

1/1

- ☐ A) :
- ☐ B) ;
- ☒ C) }
- ☐ D) return



✓ 28. A function can be defined: *

1/1

- ☐ A) Before main()
- ☐ B) After main()
- ☐ C) Inside class
- ☒ D) All of these



✓ 29.. The function main() must have which return type in C++? *

1/1

- ☐ A) void
- ☒ B) int
- ☐ C) double
- ☐ D) None



✓ 30. The return statement can appear: *

1/1

- ☒ A) Anywhere in the function
- ☐ B) Only at the end
- ☐ C) Only once
- ☐ D) After loop



✓ 31. Passing arguments by reference means: *

1/1

- ☐ A) Passing a copy
- ☒ B) Passing address
- ☐ C) Passing both
- ☐ D) None



✓ 32. Which operator is used to access members in call-by-reference? *

1/1

- ☐ A) *
- ☐ B) &
- ☒ C) ->
- ☐ D) .



✓ 33. If a function is called inside itself, it is called: *

1/1

- ☐ A) Loop
- ☒ B) Recursive
- ☐ C) Nested
- ☐ D) Inline



✓ 34. The main advantage of using functions is: *

1/1

- ☒ A) Reduce repetition
- ☐ B) Increase complexity
- ☐ C) Reduce readability
- ☐ D) None



✓ 35. Can two functions have same name but different return types? *

1/1

- ☐ A) Yes
- ☒ B) No



✓ 36. Functions that don't need object to be called are: *

1/1

- ☒ A) Static functions
- ☐ B) Virtual functions
- ☐ C) Inline functions
- ☐ D) Recursive functions



✓ 37. What is output? *

1/1

```
int f() {  
    return 2;  
    cout<<"Hello";  
}
```

- ☐ A) 2Hello
- ☐ B) Hello2
- ☒ C) 2
- ☐ D) Hello



✓ 38. Which of the following cannot be inside a function? *

1/1

- ☐ A) Variable declaration
- ☐ B) Class definition
- ☒ C) Function definition
- ☐ D) Control statements



✓ 39. The process of calling a function by itself is called: *

1/1

- ☐ A) Looping
- ☒ B) Recursion
- ☐ C) Inlining
- ☐ D) Returning



✓ 40. The parameters in a function definition are called: *

1/1

- ☐ A) Actual parameters
- ☒ B) Formal parameters
- ☐ C) Constant parameters
- ☐ D) Reference parameters



✓ 41. A recursive function must include: *

1/1

- ☒ A) A base condition
- ☐ B) A global variable
- ☐ C) A pointer
- ☐ D) All of these



✓ 42. What is output? *

1/1

```
void print(int n=5) { cout << n; }
```

```
int main() { print(); }
```

- ☐ A) 0
- ☒ B) 5
- ☐ C) Error
- ☐ D) None



✓ 43. What is the use of return 0; in main()? *

1/1

- ☐ A) Stops program
- ☒ B) Indicates successful execution
- ☐ C) Returns a random value
- ☐ D) Ends loop



✓ 44. Which of the following is not a type of user-defined function? *

1/1

- ☐ A) With arguments and return
- ☐ B) Without arguments and return
- ☐ C) With arguments but no return
- ☒ D) None of the above



✓ 45. Which of the following is true about inline functions? *

1/1

- ☐ A) Increases speed
- ☐ B) Reduces memory
- ☒ C) Both A and B
- ☐ D) None



✓ 46. A function prototype ends with: *

1/1

- ☐ A) .
- ☒ B) ;
- ☐ C) }
- ☐ D) ,



✓ 47. A function cannot be defined: *

1/1

- ☒ A) Inside another function
- ☐ B) Outside main()
- ☐ C) Before main()
- ☐ D) In a class



✓ 48. A function can have multiple return statements. *

1/1

- ☒ A) True
- ☐ B) False



✓ 49. What will happen if a non-void function does not return a value? *

1/1

- ☒ A) Undefined behavior
- ☐ B) Returns 0
- ☐ C) Compilation error
- ☐ D) Infinite loop



✓ 50. Which of the following concepts allows same function name with different arguments? *1/1

- ☐ A) Recursion
- ☒ B) Function overloading
- ☐ C) Function overriding
- ☐ D) Inheritance



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