Learning with Sahirullah

CS304P - Object Oriented Programming (Practical) (Graded QuizNo.4)

Question # 1 of 10 (Start time: 03:20:53 PM, 07 January 2025) **Total Marks:** 1

virtual void print(); is an example of_____.

Select the correct option

Reload Math Equations

- (●) virtual function
- ( ) template function
- ( ) simple function
- ( ) pure virtual function

Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 03:22:09 PM, 07 January 2025) **Total Marks:** 1

Which of the following is the correct syntax for a function template in C++?

Select the correct option

Reload Math Equations

○	template<type T> func(T a);
○	func<class T>(T a);
○	template void func<class T>(T a);
◉	template<class T> void func(T a);

Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 03:23:20 PM, 07 January 2025) **Total Marks:** 1

A class with pure virtual function is called _____ class.

Select the correct option

Reload Math Equations

○	normal
●	abstract
○	solid
○	concrete

Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 03:24:07 PM, 07 January 2025) **Total Marks:** 1

Which keyword is used to define a template in C++?

Select the correct option

Reload Math Equations

- (●) template
- ( ) typename
- ( ) class
- ( ) function

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 03:24:55 PM, 07 January 2025) **Total Marks:** 1

How can you define a class template in C++?

Select the correct option

Reload Math Equations

- ○ template<type T> class MyClass { ... };
- ○ template<name T> class MyClass { ... };
- ◉ template<typename T> class MyClass { ... };
- ○ template<class T> MyClass { ... };

Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 03:25:56 PM, 07 January 2025) **Total Marks:** 1

Suppose you have a function: void sum();

Choose correct syntax from the given options which will make this function pure virtual function.

Select the correct option

Reload Math Equations

○	void sum()=0;
○	sum()=0;
●	virtual void sum()=0;
○	void sum() virtual=0;

Click to Save Answer & Move to Next Question

Question # 7 of 10 (Start time: 03:26:51 PM, 07 January 2025) **Total Marks:** 1

What does a C++ template allow you to do?

Select the correct option

Reload Math Equations

○	None of the given
○	Define multiple main functions in a program
○	Create new data types dynamically at runtime
◉	Write functions or classes that can operate with different data types

Click to Save Answer & Move to Next Question

Question # 8 of 10 (Start time: 03:27:46 PM, 07 January 2025) **Total Marks:** 1

Which keyword is used to achieve polymorphism?

Select the correct option

Reload Math Equations

- (●) virtual
- ( ) pure virtual
- ( ) polymorphism
- ( ) poly

Click to Save Answer & Move to Next Question

Question # 9 of 10 (Start time: 03:28:32 PM, 07 January 2025) **Total Marks:** 1

Virtual functions can be used in _____ ways.

Select the correct option

Reload Math Equations

- (•) 2
- ( ) 6
- ( ) 0
- ( ) 8

Click to Save Answer & Move to Next Question

Question # 10 of 10 (Start time: 03:29:13 PM, 07 January 2025) **Total Marks:** 1

What is the purpose of explicit specialization in templates?

Select the correct option

Reload Math Equations

○	To avoid the use of templates
●	To handle specific data types that the template cannot handle successfully
○	To simplify the template syntax
○	To improve runtime performance

Click to Save Answer & Move to Next Question