



M1 Research Paper 1 - Quiz

Below is a scored review of your assessment. All questions are shown.



Correct Answer



Partially Correct



Incorrect Answer

21

What is the role of a destructor in object-oriented programming?

Your Answer

To release memory space for future use

Correct Answer

To release memory space for future use

Justification

The passage states that a destructor is used to destroy objects created by a constructor and release memory space for future use.

22 Is C++ a superset of the C language?

Your Answer Yes, any valid C program is also a valid C++ program.

Correct Answer Yes, any valid C program is also a valid C++ program.

Justification

C++ is a superset of the C language, meaning that any valid C program can also be compiled and executed as a C++ program.

23 What is a class in object-oriented programming?

Your Answer All of the above

Correct Answer All of the above

Justification

The given content states that a class is a user-defined data type that contains data members and member functions. It is a generic definition of an object and acts as a blueprint for creating similar objects.

24 What is the mechanism that binds data and functions together and hides them from outside interference?

Your Answer Encapsulation

Correct Answer Encapsulation

Justification

As mentioned in the given content, encapsulation is the mechanism that binds data and functions together and protects them from outside interference. It hides the complexity of implementation and provides data hiding.

25 Which programming language served as the inspiration for the object-oriented features in C++?

Your Answer Simula67

Correct Answer Simula67

Justification

The object-oriented features in C++ were inspired by a computer simulation language called Simula67.

26 Which area is not mentioned as an application of object-oriented programming?

Your Answer Quantum computing and cryptography

Correct Answer Quantum computing and cryptography

Justification

The passage does not mention quantum computing and cryptography as applications of object-oriented programming.

27 What is the purpose of grouping data and functions together in programming?

Your Answer All of the above

Correct Answer All of the above

Justification

Grouping data and functions together in classes and objects helps make the program clearer, reduces dependencies between different parts of the program, and increases code flexibility and reusability.

28

What is the term used for deriving a new class from an existing class?

Your Answer

Inheritance

Correct Answer

Inheritance

Justification

The given content explains that deriving a new class from an existing class is called inheritance, which allows the reuse of properties and features of the base class.

29

What is an object in object-oriented programming?

Your Answer

A runtime entity that contains data and code

Correct Answer

A runtime entity that contains data and code

Justification

As mentioned in the given content, objects are basic runtime entities in object-oriented programming that contain data and code to manipulate that data.

30 What is the purpose of data hiding in OOP?

Your Answer To ensure secure programs

Correct Answer To ensure secure programs

Justification

Data hiding in OOP helps the programmer build secure programs by making the data of one class secure from other parts of the program.

Summary

Prev Page

I'm done.

Software by

Version 11.2

Privacy Policy. Assessment content is copyright 2024, AlmaBetter.