Important Question's

BLOCK 1

Ques. 1 What is structured programming? Write the advantages and disadvantages of structured programming ?

Ques. 2 Explain the basic features of an object-oriented language ?

Ques. 3 What is Message Passing? Explain how message passing is used in C++ programming for example ?

Ques. 4 Write a program in C++ to demonstrate the use of switch statements ?

Ques. 5 Explain the use of the 'Break' and 'Continue' statements in C++, with the example program ?

Ques. 6 What do you mean by Abstraction and Encapsulation? How are the two terms interrelated ?

BLOCK 1

Ques. 7 What is inline function? Explain its advantage with an example ?

Ques. 8 Define the Friend Function. Discuss memory requirements for classes, objects, data members, and member function with an example ?

Ques. 9 Explain the importance of a constructor in object-oriented programming ?

Ques. 10 Explain the concept of parameter passing using call by value and call by reference with suitable examples ?

Ques. 11 Differentiate between copy constructor and default constructor and parameterized in C++ with the help of an example ?

Ques. 12 Define a constructor and destructor for this class and also write a program in C++ ?

Important Question's

BLOCK 2

Ques. 1 Explain Inheritance and Multi-Inheritance with an example. Write a C++ program that has inheritance and Multi-Inheritance ?

Ques. 2 What is function overloading? Give its advantages in a C++ program. Also, write a C++program to show function overloading ?

Ques. 3 What is Operator Overloading? Write the general rules for Operator Overloading. List the operators which cannot be overloaded. Give reason behind it ?

Ques. 4 Explain the term polymorphism? Explain various types of polymorphism with examples?

Ques. 5 Explain the concept of virtual function with its important characteristics ?

Ques. 6 What is the difference between overloading and overriding concepts in C++ with the suitable example code in C++? ?

Important Question's

BLOCK 3

Ques. 1 Explain C++ stream and stream classes with an example ?

Ques. 2 Explain exceptions and write a program to catch all the exceptions in C++programs ?

Ques. 3 Explain Container and their types in C++ ?

Ques. 4 Distinguish between class templates and function templates, through an example ?

Important Question's

SOME IMPORTANT TOPICS

How does the functioning of a function differ when ?

- **An object is passed by value ?**

- **An object is passed by reference**

Differentiate among private, public, and protected access modifiers concerning   class and its object. Write a C++ program in this support ?

Write a program, in C++ to calculate the factorial of a given number ?

What is "this " Pointer? Explain the significance of the 'this' pointer with   the help of an example in C++ ?