**Adobe Placement Paper Pattern  
   
   
  
Both of the paper has 10 questions and 10 marks for each test. And each test is for 45 minutes.**  
  
C++ QUESTIONS

What is a class?

What is an object?

What is the difference between an object and a class?

What is the difference between class and structure?

What is public, protected, private?

What are virtual functions?

What is friend function?

What is a scope resolution operator?

What do you mean by inheritance?

What is abstraction?

What is polymorphism? Explain with an example.

What is encapsulation?

What do you mean by binding of data and functions?

What is function overloading and operator overloading?

What is virtual class and friend class?

What do you mean by inline function?

What do you mean by public, private, protected and friendly?

When is an object created and what is its lifetime?

What do you mean by multiple inheritance and multilevel inheritance? Differentiate between them.

Difference between realloc() and free?

What is a template?

What are the main differences between procedure oriented languages and object oriented languages?

What is R T T I ?

What are generic functions and generic classes?

What is namespace?

What is the difference between pass by reference and pass by value?

Why do we use virtual functions?

What do you mean by pure virtual functions?

What are virtual classes?

Does c++ support multilevel and multiple inheritance?

What are the advantages of inheritance?

When is a memory allocated to a class?

What is the difference between declaration and definition?

What is virtual constructors/destructors?

In c++ there is only virtual destructors, no constructors. Why?

What is late bound function call and early bound function call? Differentiate.

How is exception handling carried out in c++?

When will a constructor executed?

What is Dynamic Polymorphism?

Write a macro for swapping integers.