

I Explain Object Oriented Programming in terms of Abstraction, inheritance, encapsulation and polymorphism with the help of suitable examples.

II Write notes on following with examples:

- a) Dynamic Binding
- b) Message passing

III Explain the following with suitable scenarios

- a) Single Inheritance
- b) Multiple Inheritance

IV How we do file Handling in C++. Write a program that reads the input from a file and gives the output to a file.

V What is an Exception. How we handle exception in C++. Explain various reserved words related to Exceptions.

VI Differentiate constructor and destructor. Why we use constructor. How it will affect the programming style. Make a sample program that uses constructors.

VII Differentiate the following

- a) Unary & binary operators
- b) Arithmetic & logical operators
- c) Bitwise & relational operators

VIII Make a doubly link list in C++ with insertion & deletion capabilities.