

(a)

S.Y B.Sc - IT 2

23/8/12

NOTE: All questions are compulsory

Q1] Explain stream operator & comparison operator. [5]

B] Explain various features of OOPS. [5]

Q2] Attempt Any Three.

A] What is the difference between OOP & POP [5]

B] Explain various application of object oriented programming language. [5]

C] Explain the term 'reusability' & 'Abstraction'. [5]

D] Write a short note on need to object oriented programming. [5]

Q3] Attempt Any Three.

A] Explain the concept of class with proper example. [5]

B] Explain the constructor in C++ [5]

C] Explain static member with proper example. [5]

D] What do you mean by private member function. [5]

Q4] Attempt Any Three.

A] Explain the mechanism of operator overloading [5] with proper example.

Q5] Write a C++ program for overload assignment operator. [5]

c] Write a short note on 'this' pointer. [5]

d] Design an employee class for reading & displaying the employee information, the getinfo() & displayinfo() methods will be used respectively where getinfo() will be private method. [5]

Q5A Attempt Any Three.

A] Explain various types of inheritance. [5]

B] What is meant by constructor & destructor. [5]

C] Explain any three file operations with suitable program. [5]

D] Write a program for adding two complex numbers using a single class.

Q6] Attempt Any Three.

A] Explain string class interface in detail.

B] Explain istream & ostream class.

C] Write a short note on stream manipulator.

D] What is meant by virtual destructor.

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Q7] Attempt Any Three.

- A] What do you mean by template class? [5]
Give proper example.
- B] Explain container class & iterator class [5]
in C++.
- C] Explain standard C++ library. [5]
- D] Write a program in C++ which shows the [5]
use of friend function.

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