COURSE : CM/IF   SEM: FOURTH SUBJECT : OOP

Chapter 1:

1) List any four features of procedure oriented programming. (4 marks)
2) Differentiate between OOP and POP. (3 marks)
3) List any four basic concepts of object oriented programming. (4 marks)
4) Explain data encapsulation and data abstration. (3 marks)
5) Write any four benefits of object oriented programming. (4 marks)
6) List any four object oriented programming languages. (4 marks)
7) Which are input and output operator in C++. Give it's examples. (3 marks)

Chapter 2:

1) What is class? Give its example.(3 marks)
2) Hoe member functions of the class are defined? Give its example. (4 marks)
3) Describe memory allocation for objects. (4 marks)
4) Explain array of Objects with example. (4 marks)
5) Explain objects as function argument. (4 marks)
6) List any four features of static member function. (4 marks)
7) List any four features of static data member. (4 marks)
8) Write characteristics of friend function. (3 marks)
9) Describe the access specifier used in C++.(3 marks)
10) Compare structure and class. (4 marks)
11) What is object ? How they are created? (3 marks)
12) Explain new and delete. (3 marks)
13) Explain get() and put().(4 marks)
14) WAP in C++ to generate a Fibonacci series of 'n' numbers. (3 marks)
15) WAP to define a structure 'Tender' having data members tender_no, cost and company_name. Accept and display data for one variable of this structure. (4 marks)
16) WAP to declae a class student having data memebers as roll number, name and percentage of marks. Read data for 5 students amd display data of student having higher percentage of marks. (4 marks)
17) WAP to declare a class having data members principle, duration and rate of interest. Declare rate of interest as static member variable. Calculate the simple interest and display it. (4 marks)
18) Write a program to create two classes test1 and test2 which stores marks of student. Read values for class objects and calculate average of two tests. (4 marks)

OOP QUESTION BANK

Chap 3

Q. 1 Give any four characteristics of Constructor.

Q.2 Explain Parameterized Constructor with syntax.

Q.3 Explain the concept of constructor with Default argument.

Q. 4 What is Destructor? How many Destructor can be defined in a single class?

Q.5 Differentiate between Constructor and Destructor.

Q.6 What is Copy Constructor?

Chap 4

Q.1 Describe the purpose of Protected access specifier used in C++.

Q.2 List different types of Inheritance.

Q. 3 State and explain the various visibility modes used in Inheritance.

Q. 4 What is Virtual Base Class? Explain with suitable diagram.

Q.5 Explain Multilevel Inheritance with suitable example program.

Q. 6 WAP to implement single inheritance. Declare baseclass 'employee' with empno & empname. Declare derived class 'fitness' with height and weight. Accept and Display data for one employee.

Chap 5

Q.1 How to initialize a Pointer? Explain with syntax.

Q.2 WAP to search a number from an array using pointer to array.

Q.3 WAP to display the string in reverse order.

Q.4 Explain the concept of this pointer.

Chap. 6

Q.1 Differentiate between static binding and dynamic binding

Q.2 Can we use base class pointer for accessing member function of derived class? Explian with suitable example.

Q.3 WAP using function Overloading to calculate Volume of cube and Cylinder.

Q.4 Overload increment Operator for class 'point' having data members as x co-ordinate and y-co-ordinate.

Q.5 Differentiate between overloading and overriding of functions.

Q.6 List any four rules for creating virtual function.

Q.7 What is pure virtual function.