

Exam.Code:0921
Sub. Code: 6834

1078

B.E. (Information Technology)
Third Semester

ITE-334/342: Object Oriented Programming Using C++

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Define the following:-

- a) Member function
- b) This pointer
- c) Encapsulation
- d) Static function
- e) Ambiguity
- f) Friend function
- g) Polymorphism
- h) Aggregation
- i) Dynamic memory allocation
- j) Abstract class

(10x1)

UNIT – I

- II. What are the fundamental concepts of Object Oriented Programming? List its advantages and disadvantages as compared to procedural oriented programming. (10)
- III. a) How can you make a function inline? What are the advantages of doing the same? Discuss with example.
b) Explain call by reference with suitable program. (7,3)
- IV. What is operator overloading? Can all operator be overloaded? Overload '+' operator to concatenate two strings. (10)

UNIT – II

- V. Discuss the different types of inheritance with suitable program. Also discuss invocation of constructor and destructor in Inheritance. (10)
- VI. Write a program to elaborate the concept of early binding and late binding in OOP. (10)

P.T.O.

(2)

VII. Write short note on any two of the following:-

- a) Object oriented analysis and design
- b) Overloading Template functions
- c) Exception handling

(5,5)

x-x-x