2118

B.E.(I.T.) 3rd Semester
IT.314: Object Oriented Programming

Time allowed: 3 Hours

Note: Attempt five questions in all, selecting atleast

two from each Part.

Part-I

structured programming? Consider a suitable example to support your answer.

b) Explain the various control structures available in C++
with examples and diagrams. (10,10)

What is an inline function? What are its advantages?
Discuss two different ways to make a function inline.

Can you make all functions inline? Justify your answer.

b) Explain the concept of objects and classes in C++. How do you declare a class and an object in C++? Explain by means of suitable examples. (10,10)

supported in C++? Explain with suitable example.

b) What is function overloading? How does compiler resolve the invocation of the overloaded functions? (10,10)

Explain the following with examples in the context of C++: (10.10)

al Constructors and destructors

b) Garbage collection and dynamic memory allocation.

a) Object-Oriented Analysis and Design (OOAD)

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b) Concept of pointers and use of 'this' pointer (10,10)

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