Registration No.:											
Total number of printed pages – 2									B. Tech		
								F	BECS 2207		

Third Semester Examination – 2013 OBJECT ORIENTED PROGRAMMING

BRANCH: CSE, IT

QUESTION CODE: C-507

Full Marks - 70

Time: 3 Hours

Answer Question No. 1 which is compulsory and any five from the rest.

The figures in the right-hand margin indicate marks.

Answer the following questions :

 2×10

- (a) Explain different visibility modes in object oriented programming.
- (b) What is pure virtual function? Explain with example.
- (c) What is the difference between static binding and dimamic binding?
- (d) Name the operators that cannot be overloaded.
- (e) List the three ways of passing parameters (or return value) in C++.
- (f) Differentiate between a template class and class template.
- (g) What is the difference between constructor and destructor? Explain using example
- (h) What is the work of catch (...)?
- (i) Define an inline function.
- (j) What is the application of scope resolution operator in C++?
- 2. (a) Write a program in C++ to input a number, and then find out factorial. 5
 - (b) Create a class to specify data of customers in a bank. The data to be stored at: Account Number, Name, Balance in the account.

Assume maximum of 200 customers in the bank.

5

3. (a) Write a C++ program to add two time objects(hr, min, sec) and find the resultant time(hr, min, sec). (b) What is a Parameterized constructor? 5 What is inheritance? Describe the various types of inheritance with 4. example for each one. 10 Write a C++ program to add two complex numbers using an Overload + 5. 5 operator. What is a friend function? What are the merits and demerits of using friend function? AL LIBRA 5 What does Polymorphism in C++? How it is achieved at compile time 6. (a) and run time? Give an example of it. 5 What is constructor? Explain the characteristics of constructor. 5 (b) Write a program to create a template to find the maximum value stored 7. (a) 5 in array. What do you understand by exceptions in a C++ program? With an (b) 5 example explain how exceptions are handled in a C_{++} Program. Write short notes on any two: 5×2 8 (a) Data encapsulation (b) Inline function Multilevel inheritance (c) Virtual Destructor. (d)