GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV • EXAMINATION - WINTER • 2014

Subject Code: 140704 Date: 02-01-2015 Subject Name: Object Oriented Concept and Programming Time: 02:30 pm - 05:00 pm Total Marks: 70			
	tructio 1. 2.	ons:	
Q.1	(a)	Differentiate between Procedure oriented programming and Object oriented	07
	(b)	programming. Explain the following term. 1) Link 2) Object 3) Association 4) Metadata 5) Class 6) Event 7) Action	07
Q.2	(a) (b)	Explain dynamic modeling with example. Draw data flow diagram of Hospital Management System. OR	07 07
	(b)	Explain function modeling with example.	07
Q.3	(a) (b)	Explain call by value, call by reference and call by address with example. Explain Aggregation and Generalization with example. OR	07 07
Q.3	(a) (b)	 Explain Inline function with example. Explain Default argument in function with example. Explain Friend function with example. 	04 03 07
Q.4	(a) (b)	What is Operator overloading? What are the rules for operator overloading? What is Constructor? Explain constructor overloading with example. OR	07 07
Q.4	(a) (b)	What is Inheritance? Explain different types of Inheritance. What is type conversion? Explain type conversion from basic data type to class data type with example.	07 07
Q.5	(a)	Explain the following with example. 1) Abstract Class 2) Virtual function 3) Virtual base class	07
	(b)	List out the operators which can not be overloaded? Write a program in C++ to Overload unary plus(++) operator. OR	07
Q.5	(a)	Explain copy constructor with example.	07
-	(b)	Write a program in C++ to overload binary plus (+) operator	07
