GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-V EXAMINATION – WINTER 2015

•		Code: 152004 Date:05/12/2015 Name: Object Oriented Programming Using C++	
-	e: 1():30am to 1:00pm Total Marks: 70	
		Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	1 0	07 07
Q.2	(a) (b)	Why do we need copy constructor? Explain with example. What is friend function? Where it is applicable? Explain with example. OR	07 07
	(b)		07
Q.3	(a) (b)	•	07 07
		OR	
Q.3	(a)	What is function overloading? Explain with example.	07
	(b)	Write a C++ program to Append / Merge two existing files.	07
Q.4	(a)	What is an abstract class? In what order are the classes constructors are called when a derived class object is created?	07
	(b)	Write a program that provides addition and subtraction operation for Complex numbers using operator overloading.	07
• •		OR NUMERICAL DE LA CALLER DE LA	
Q.4	(a) (b)	example.	07 07
Q.5	(b) (a)		07 07
	(b)		07
		 Type of account Balance amount in the account To withdraw an amount after checking the balance 	
0.5		OR	07
Q.5	(a)	Explain the concept of inheritance with suitable examples.	07

(b) Explain with example, how endl and setw manipulator works.

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