Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

B.E. SEM-I Examination January 2010
Subject Name: Comp

Subject code: 110003 Date: 04 / 01 / 2010		• •	• • • • • • • • • • • • • • • • • • •	
Insti	1. 2.	tions: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)		ch <b>07</b>	
	(b)	block with its functions.  Give comparison of  1. C and C++ Programming language.  2. Flow charts and Algorithms	07	
Q.2	(a) (b)		07 to 07	
	(b)		by <b>07</b>	
Q.3	(a)	Define Object and Class and Give comparison of Object Orient Language and Procedural Language.	ed <b>07</b>	
	(b)	What is the use of Constructor and Destructor in C++? Write a C-program to demonstrate the use of Constructor and Destructor.  OR	++ 07	
Q.3	(a)		of <b>07</b>	
	(b)		07	
Q.4	(a)	Write a C program to find out Armstrong Numbers between 0 and 99 Example: 153 is an Armstrong number because 1 <sup>3</sup> +5 <sup>3</sup> +3 <sup>3</sup> =153	99. <b>07</b>	
	(b)	Give examples of various string operation functions demonstrate the using an example program.  OR	em <b>07</b>	
Q.4	(a)		of <b>07</b>	
	(b)		ent <b>07</b>	
Q.5	(a)	Give comparison of Static Memory Allocation and Dynamic Memory Allocation with a code snippet.	ory <b>07</b>	
	(b)	<ul><li>Write C++ program to explain the concept of</li><li>1. Polymorphism</li><li>2. Inheritance</li></ul>	07	
Q.5	(a)	OR  Describe various types of Inheritance	07	
	(b)		07	