## GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV EXAMINATION – SUMMER 2016

	Subj	ect Code:140705 Date:08/06/2016	
	•	ect Name:Object Oriented And Programming with C++ :10:30 AM to 01:00 PM Total Marks: 70 ctions:	
		<ol> <li>Attempt all questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>	
Q.1		Give difference between procedural and object oriented programming. Explain benefits and applications of OOP	07
	<b>(b</b> )	Explain different types of constructor with example	07
Q.2	<b>2</b> (a)	<ul><li>Explain following terms with example</li><li>1) inline function</li><li>2) operator overloading</li></ul>	07
	<b>(b)</b>	Explain friend function and virtual function with example OR	07
	<b>(b)</b>	Explain inheritance and polymorphism with example	07
Q.3	6 (a) (b)	Explain any two file management functions with example Explain static data member and static member function with suitable example <b>OR</b>	07 07
Q.3	<b>b</b> (a)	Explain type conversion from basic type to class type and class type to basic type with example	07
	<b>(b</b> )	Explain new, delete and scope resolution operator with example	07
Q.4	(a) (b)	Explain try, catch and throw with suitable example Explain pointer to objects in C++. Write a program to demonstrate use of this pointer <b>OR</b>	07 07
Q.4	(a) (b)	Write a C++ program which copy content of one file to another Explain user defined and derived data types in C++	07 07
Q.5	5 (a) (b)	Write a C++ program for bubble sort using template functions Explain functions for manipulation of file pointers <b>OR</b>	07 07
Q.5	5 (a)	Explain Standard Template Library Destructor cannot be overloaded. True or False? Justify your answer	07
	(b)	Explain following functions with example put() get() getline() write()	07

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