Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

**BE - SEMESTER-IV(New)• EXAMINATION - WINTER 2016** 

Subject Code:2142005 Date:24/11/2016

**Subject Name:Programming Methodology using C++** 

Time			otal Marks: 70
Q.1	2.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.  Short Questions	14
	1 2 3 4 5 6 7 8 9 10 11 12 13 14	List out the benefits of OOP? What is Implicit Type Conversion? Give the syntax of Array Initialization with an example.	٦
Q.2	(a) (b)	List down the applications of OOP.	<b>03</b>
	(5)	specifier.	,
	(c)	Write a program for unary operator Overloading?	07
		OR	
	(c)	Write a program for Function Overloading?	07
Q.3	(a)	List the different types of parameter passing technique	es. <b>03</b>
	(b)	How do we declare a member of a class 'static'?	04
	(c)	Write a program for palindrome.	07
		OR	
Q.3	(a)	Why we need the preprocessor directive #include?	03
	(b)	Explain about static and const Member Functions	04
	(c)	Write a program in C++ to demonstrate multiple inher	ritance. <b>07</b>

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(c) Write a program in C++ to demonstrate constructor with default argument.  OR  Q.4 (a) What is a custom manipulator? Give its syntax.  (b) What is meant by subclass and superclass with example.  (c) Write a program in C++ to demonstrate friend function.  Q.5 (a) List the file pointer control functions.  (b) Give the usage of ios class.  (c) Write a program in C++ to copy the content of file into another.  OR  Q.5 (a) Define the exception handling constructs.  OB  Q.5 (b) Give the flag value and bit field for (a) Left justified output and (b) Decimal conversion.	Q.4	(a)	What are the forms of inheritance.	03		
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Decimal conversion.	Q.5	(a)	Define the exception handling constructs.	03		
(c) Write a program in C++ to demonstrate virtual function.		(b)		04		
		(c)	Write a program in C++ to demonstrate virtual function.	07		

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