

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (NEW) EXAMINATION - WINTER 2018

Subject Code:2142005			Date:12/12/2018	
Tiı	ne: 0 tructio		Total Marks: 70	0
	2. 3.			
Q.1	(a)	Define the Following: 1. Scope Resolution Operator 2. cout and cin 3. <iostream.h></iostream.h>		03
	(b) (c)	List down applications of OOP. Explain features of Object Oriented Programming.		04 07
Q.2	(a) (b) (c)	Explain Inline Function with example. Explain new operator. Also explain advantages of new operator Explain Function Overloading with example. OR	over malloc().	03 04 07
	(c)	Explain Friend function with example.		07
Q.3	(a) (b) (c)	Differentiate: OOP and POP. Explain any two types of Constructor with example. Explain Unary Operator Overloading with example. OR		03 04 07
Q.3	(a) (b) (c)	Explain destructor with example. Explain macro with example. Explain Binary Operator Overloading with example.		03 04 07
Q.4	(a) (b) (c)	Explain 'this' pointer with example. Explain virtual base class in detail. What is Inheritance? Explain any two types of inheritance with example. OR	example.	03 04 07
Q.4	(a) (b) (c)	Explain pure virtual function with example. Explain Private, Public and Protected in detail. Explain type conversion with example.		03 04 07
Q.5	(a) (b) (c)	Give the usage of ios class. Explain call by reference function with suitable example. Why templates are used in programming? Explain with proper example. OR	mple.	03 04 07
Q.5	(a) (b) (c)	Explain Manipulators in detail. What is class hierarchy? Explain with example. Define – exception. Explain C++ exception handling mechanism w	ith example.	03 04 07
