

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (OLD) - EXAMINATION – SUMMER 2017

Subject Code: 140704

Date: 12/06/2017

Subject Name: Object Oriented Concepts And Programming

Time: 10:30 AM to 01:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain Features of Object Oriented Programming Language. **07**
(b) Explain different data types in C++. **07**
- Q.2** (a) Explain the generalization and specialization with example. **07**
(b) Explain the friend function with example. **07**
OR
(b) Explain the inline function and default arguments with example. **07**
- Q.3** (a) What is Constructor? Explain Parameterized Constructor with example. **07**
(b) What is operator overloading? What are the rules for operator overloading. **07**
OR
- Q.3** (a) What is Inheritance? Explain different types of Inheritance. **07**
(b) Write a C++ program to find an average value of n integers stored in array. **07**
- Q.4** (a) Explain Virtual function and abstract class with example. **07**
(b) What is type conversion? Explain various type conversion with example. **07**
OR
- Q.4** (a) What is object model? Explain it with example. **07**
(b) Draw the data-flow diagram for banking system. **07**
- Q.5** (a) Explain function modeling with example. **07**
(b) Explain Data Flow Diagram with example. **07**
OR
- Q.5** (a) Explain Scope resolution operator and Memory management operator. **07**
(b) Write a C++ Program of Multilevel Inheritance. **07**
