

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VIII EXAMINATION – WINTER 2016

Subject Code: 180707**Date: 22/10/2016****Subject Name: iOS Programming (Department Elective - II)****Time: 02:30 PM to 05:00 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 OOP concepts with suitable example. **07**
(b) Explain iPhone Architecture in detail. **07**
- Q.2** (a) Explain COCOA Touch classes. Also give the differences between COCOA and COCOA Touch classes. **07**
(b) Write a program in objective C to handle mutable and immutable string. **07**
- OR**
- (b) Explain NSString , NSMutableString, NSArray and NSMutableArray in details with suitable example.. **07**
- Q.3** (a) What is Framework? Explain COCOA framework in detail. **07**
(b) What is Object Oriented Programming? Provide a list of major difference between Objective C and C++. **07**
- OR**
- Q.3** (a) What is Object Mutability? Explain why Mutable and Immutable Objects are Variants? **07**
(b) Explain MVC framework by giving proper example. **07**
- Q.4** (a) Enlist all features of latest iOS. **07**
(b) Explain MAC OS architecture and its features. **07**
- OR**
- Q.4** (a) Write an objective C program that prints the values from array using for-each. **07**
(b) Explain Interface Builder and Nib file in detail. **07**
- Q.5** (a) Explain alert view and table view with suitable example. **07**
(b) What is Parsing? Explain JSON parsing with suitable example. **07**
- OR**
- Q.5** (a) Define UINavigationController. How do you navigate to another view? Explain briefly with example. **07**
(b) Explain CFSocket and Berkeley Sockets in detail. **07**
