

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017****Subject Code: 2180714****Date: 02/05/2017****Subject Name: iOS Programming(Departmental Elective - III)****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) Attempt following questions
1. Justify need of transformation from objective c to swift. **04**
 2. Explain For-in loop in swift with example. **03**
- (b) Explain “Protocol” in swift with example. **07**
- Q.2** (a) Explain iPhone Architecture in detail. **07**
- (b) Explain the features of iOS 10. **07**
- OR**
- (b) Explain Life Cycle of an iOS Application. **07**
- Q.3** (a) Explain COCOA touch class in detail. **07**
- (b) Explain UIGesture Recognizer in detail. **07**
- OR**
- Q.3** (a) Explain memory management in swift. **07**
- (b) Explain Interface Builder and Nib file in detail. **07**
- Q.4** (a) Give code to create a simple Collection View application in iOS using swift. **07**
- (b) Explain class and structure in swift. Also list out main differences between them. **07**
- OR**
- Q.4** (a) How to display image, name and age of person in the rows of the table view? Explain with code in swift. **07**
- (b) Explain Array, Set and Dictionary in swift with suitable example. **07**
- Q.5** (a) Why Alamo fire is used in iOS application development? Give main features of Alamo fire. **07**
- (b) Explain Map View. Give code to create Map View with annotation in iOS using swift. **07**
- OR**
- Q.5** (a) What is JSON? Explain JSON parsing with example. **07**
- (b) How to Reading PDF File in iPhone Simulator? Explain with code in swift. **07**
