

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VIII EXAMINATION – SUMMER 2016****Subject Code:180707****Date:16/05/2016****Subject Name:iOS Programming (Department Elective - II)****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) Do as follow. **03**
1. Why don't we need an outlet for the Save/Cancel button? And what about Interface Builder? **02**
  2. How does Xcode actually build an application? **02**
  3. Explain @interface and @implementation. **07**
- (b) Explain NSString, NSNumber and NSValue. **07**
- Q.2** (a) Difference between **07**
1. C vs Objective C.
  2. Mutable and Immutable.
- Brief with example.
- (b) Explain Concept of OOP and OOP Principles. **07**
- OR**
- (b) Explain @interface and @implementation. **07**
- Q.3** (a) Explains the syntax to declare and refer to blocks. **07**
- Brief
- ```
@interface XYZObject : NSObject
@property (copy) void (^blockProperty)(void);
@end
```
- (b) Brief Life Cycle of a Project. **07**
- OR**
- Q.3** (a) Explain **07**
- ```
UIButton* b = [UIButton
buttonWithType:UIButtonTypeSystem];
UIView* v = b
```
- (b) What is SQLite? Explain how to create outlets in interface builder with example. **07**
- Q.4** (a) How an outlet provides a reference to a nib-instantiated object. **07**
- (b) Overview of features of latest iOS. **07**
- OR**
- Q.4** (a) What is Parsing ? explain XML parsing and JSON parsing with example. **07**
- (b) How to storing Files Securely in the App Sandbox. **07**
- Q.5** (a) How Cocoa Objects Manage Memory. **07**
- (b) Brief CFSocket with example. **07**

**OR**

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|------------|------------|---|-----------|
| <b>Q.5</b> | <b>(a)</b> | Explain Principles of Cocoa Memory Management.                      | <b>07</b> |
|            | <b>(b)</b> | What is use of CFHTTP & Explain steps of Creating a CFHTTP Request. | <b>07</b> |

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