

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