GUJARAT TECHNOLOGICAL UNIVERSITY
M. E. - SEMESTER – I • EXAMINATION – SUMMER • 2014

Subject code: 2725304   **Date: 12-06-2014**

Subject Name: Advanced Programming on Mobile Devices - I

Time: 02:30 pm - 05:00 pm   **Total Marks: 70**

Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full mark.**

Q. No. 1
  a. Explain UIView class in objective C and related methods.   [7 Marks]
  b. Explain IBOutlet in detail.   [7 Marks]

Q. No. 2
  a. Which are the protocols used in table view? Explain briefly.   [7 Marks]
  b. Explain IBAction in detail.   [7 Marks]
<center>OR</center>
  b. Explain Objective C message passing syntax with examples.   [7 Marks]

Q. No. 3
  a. What is the navigation controller? Write its usages. Which methods does it contain? Discuss each of the methods.   [7 Marks]
  b. Declare the property named title of type NSString in the class Employee. Discuss its uses and show with suitable example.   [7 Marks]
<center>OR</center>
Q. No. 3
  a. What is Thread in Objective C? Describe the use of thread in a suitable example.   [7 Marks]
  b. What do you mean by Delegates & Notifications? Mention their difference.   [7 Marks]

Q. No. 4
  a. Define & Explain Not running, Inactive and Active app states in iPhone.   [7 Marks]
  b. Define UIPickerView? Explain Data Source methods in UIPickerView   [7 Marks]
<center>OR</center>
Q. No. 4
  a. Explain MVC Pattern.   [7 Marks]
  b. Explain in detail the process of capturing iPhone events.   [7 Marks]

Q. No. 5
  a. Implement retain, release & autorelease methods in a suitable example.   [7 Marks]
  b. Provide a detail list of steps for using SQLLite in your program.   [7 Marks]
<center>OR</center>
Q. No. 5
  a. Explain UITableView in detail   [7 Marks]
  b. Explain NSURL in objective C.   [7 Marks]

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