GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2014

Subject code: 725304   **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 about UITableViewDataSource & UITableViewDelegate method with syntax.
[7 Marks]

   b. Define frame and bounds. Write their Difference. Show their use through a suitable example.
[7 Marks]

Q. No. 2

   a. Explain required methods in protocol. Show through syntax how a method is specified as required in the protocol. [7 Marks]

   b. Define Thread in Objective C. Show how to create thread. Describe two ways to create threads.
[7 Marks]

OR

   b. What is Background & Suspended app state in iPhone? Explain them in detail. [7 Marks]

Q. No. 3

   a. Explain View Controller life cycle methods. [7 Marks]

   b. What do you mean by Category & Inheritance? Show them in a code segment. Write their difference. [7 Marks]

OR

Q. No. 3

   a. Define Plist and NSUserDefaults. Explain them in detail. [7 Marks]

   b. Explain UIView Animation in detail. [7 Marks]

Q. No. 4

   a. Differentiate between viewDidLoad & loadView methods through code. [7 Marks]

   b. What do you mean by UIApplication? Explain about singleton object UIApplication provided by framework. [7 Marks]

OR

Q. No. 4

   a. Explain about touchesMoved method of UIResponder with the help of syntax. [7 Marks]

   b. What do you mean by WebKit, iUI & Canvas? Explain in detail. [7 Marks]

Q. No. 5

   a. Implement your own synthesized methods for the property NSString *title. [7 Marks]

   b. Explain Copy vs Assign vs Retain. [7 Marks]

OR

Q. No. 5

   a. Explain Facebook request delegate methods. Show through syntax. [7 Marks]

   b. Compare the web and SDK programming styles. Explain their advantages and disadvantages.
[7 Marks]

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