

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER- V EXAMINATION – SUMMER 2016

Subject Code:650003**Date: 09/05/2016****Subject Name : Mobile Computing****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)**
- (i) What steps need to be followed to debug the developed application on the Hardware? **04**
- (ii) Write code that shows how to pass two extra pieces of information - a string value and a Boolean value through Intent? **03**
- (b)** Write code that shows how to load 3 bitmap resources and create an AnimationDrawable. **07**
- Q.2 (a)** Write about important Android Project Files and Directories. **07**
- (b)** **07**
- (i) Explain the following Android tools
- a. Dalvik Debug monitor server
 - b. Android Debug Bridge
- (ii) Write a code that shows how to clear entire RadioGroup so that none of the RadioButton objects are selected. This would be done in the response to a button click outside of the RadioGroup.
- OR**
- (b)** **07**
- (i) Show the code - how to provide an AutoCompleteTextView that can help user to type some of the basic colors from an array.
- (ii) Describe the helpful methods in the android.util.Log class.
- Q.3 (a)** Explain how to load Content into a WebView Control. **07**
- (b)** Write key methods that an activity must use to manage a Dialog. **07**
- OR**
- Q.3 (a)** Which are the important packages in the Android SDK. **07**
- (b)** Which types of Layouts Android SDK framework include? Explain important LinearLayout View attributes. **07**
- Q.4 (a)** Write a code that shows how to retrieve Android Network status. **07**
- (b)** Explain Android platform architecture. **07**
- OR**
- Q.4 (a)** Write a code that shows how to send SMS. **07**
- (b)** Explain the lifecycle of an Android Activity. **07**
- Q.5 (a)** Eclipse Manifest File resource editor organizes the manifest information into five categories. Explain all. **07**
- (b)** Explain four types of tweening transformations. **07**
- OR**

- Q.5 (a)** Explain the following **07**
- (i) How to use String resources programmatically?
 - (ii) How to use Boolean resources programmatically?
 - (iii) How to use Integer resources programmatically?
- (b)** Explain how to insert, update and delete records using SQLiteDatabase class. **07**
