

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA - SEMESTER-V • EXAMINATION – WINTER 2013****Subject Code: 650003****Date: 28-11-2013****Subject Name: Mobile Computing****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 marks.

- Q.1** (a) Explain Android software stack in detail. **07**
(b) List and describe in detail Android development tools. **07**
- Q.2** (a) Explain Media Store Content Provider with example. **07**
(b) Draw and explain Activity Life cycle of an Android application. **07**
- OR**
- (b) Describe six components of an Android application. **07**
- Q.3** (a) Describe the process of Creating, Saving and then Retrieving User Shared Preferences. **07**
(b) Describe Web-API of Android and classes used for the same. **07**
- OR**
- Q.3** (a) What are Content providers? How do you create your own content provider in Android? **07**
(b) How is Handler class used for Background thread processing? **07**
- Q.4** (a) Explain context menu with example. **07**
(b) Describe different types of Drawable resources with example. **07**
- OR**
- Q.4** (a) Explain different types of Animation in Android. **07**
Q.4 (b) Explain how to apply Style and Theme to User Interface. **07**
- Q.5** (a) What is Intent? How are they used to Broadcast and Receive Events? **07**
(b) Give an example to show use of Rating Bar. **07**
- OR**
- Q.5** (a) Describe SMS API of Android and the classes used for the same? **07**
(b) Give an example to show DatePicker Dialog. **07**
