

GUJARAT TECHNOLOGICAL UNIVERSITY
M.C.A.- SEMESTER – V • EXAMINATION – WINTER 2012

Subject code: 650003**Date: 27-12-2012****Subject Name: Mobile Computing****Time: 10:30 am – 1:00 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) Draw and explain Activity Life cycle of an Android application. **07**

Q.2 (a) List and describe in detail Android development tools. **07**
(b) Explain Media Store Content Provider with example. **07**

OR

(b) Describe six components of an Android application. **07**

Q.3 (a) Explain context menu with example. **07**
(b) Describe different types of Drawable resources with example. **07**

OR

Q.3 (a) Explain different types of Animation in Android. **07**
(b) Explain how to apply Style and Theme to User Interface. **07**

Q.4 (a) What is Intent? How are they used to Broadcast and Receive Events? **07**
(b) Give an example to show use of Progress Bar. **07**

OR

Q.4 (a) Describe Telephony API of Android and the classes used for the same? **07**

Q.4 (b) Give an example to show Alert Dialog. **07**

Q.5 (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**

OR

Q.5 (a) Describe the process of Creating, Saving and then Retrieving Shared Preferences. **07**

(b) Describe Web-API of Android and classes used for the same. **07**
