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Subject code: 650003

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

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 07 application. List and describe in detail Android development tools. **Q.2** 07 Explain Media Store Content Provider with example. 07 (b) Describe six components of an Android application. 07 Q.3 (a) Explain context menu with example. 07 Describe different types of Drawable resources with 07 example. OR Explain different types of Animation in Android. 0.3 07 Explain how to apply Style and Theme to User Interface. 07 (a) What is Intent? How are they used to Broadcast and **Q.4** 07 Receive Events? **(b)** Give an example to show use of Progress Bar. 07 (a) Describe Telephony API of Android and the classes used **Q.4** for the same? **Q.4 (b)** Give an example to show Alert Dialog. 07 (a) What are Content providers? How do you create your own **Q.5** content provider in Android? (b) How is Handler class used for Background thread processing? OR (a) Describe the process of Creating, Saving and then 07 **Q.5** Retrieving Shared Preferences. Describe Web-API of Android and classes used for the 07 same.
