

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA- Vth SEMESTER-EXAMINATION -JUNE - 2012****Subject code: 650003****Date: 13/06/2012****Subject Name: Mobile Computing (MC)****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) List image formats supported in Android 02
 (b) What is the use of the strings.xml file? 02
 (c) Comment “Android is hailed as the first complete, open, and free mobile platform”: 02
 (d) What is AVD? 02
 (e) Define: Context, Activity 02
 (f) What is notification? How it is differ from Toast? 02
 (g) Define: Style, theme 02
- Q.2** (a) Explain Android platform architecture with diagram. 07
 (b) Explain life cycle of android activity with suitable diagram 07
OR
 (b) What is AndroidManifest.xml file? What kind of information is stored in it? 07
 Explain structure of it.
- Q.3** (a) What are resources? List different types of resources with required directory filename and xml tag. 07
 (b) Explain animation supported by Android taking suitable example 07
OR
- Q.3** (a) Differentiate: 07
 - Context Menu and Option Menu
 - List and Spinner
 - ViewFlipper and ViewSwitcher
 (b) Write detailed note on different types of layouts 07
- Q.4** (a) Explain with code snippet Gallery view? How it is differ from Image View? 07
 (b) What is shared preferences? Explain methods for create, search, read, add, update and delete shared preference? 07
OR
- Q.4** (a) What is SQLite Databse? Explain methods for creating, updating, and deleting and querying database records 07
 (b) List permission required for following task 07
 1. Send SMS
 2. To access phone state Information
 3. Add contact details
 4. Write file to SD Card
 5. To access online URL
 6. To dial number
 7. Read contacts
- Q.5** (a) What is content provider? List useful built-in content providers with its purpose and explain any one of them in details 07

(b) What is WebView? How can we load content into WebView? How can we handle WebView events? **07**

OR

Q.5 (a) Write code snippet for following **07**

- Sending an SMS
- Dial a number

(b) What is uses of following widgets and list its important properties and event **07**

1. Progressbar
2. SeekBar
3. RatingBar
4. VideoView
5. Chronometer
6. ImageView
7. ToggleButton
