Enrolment No.\_\_\_\_\_

# **GUJARAT TECHNOLOGICAL UNIVERSITY** MCA - SEMESTER-V • EXAMINATION – SUMMER • 2015

Subject Code: 2650003

## Date: 06-05-2015

Subject Couc: 2050005 Subject Name: Mobile Computing Time: 02:30 pm to 05:00 pm Instructions:

**Total Marks: 70** 

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- Q.1 (a) What is Frame-by-Frame Animation? How it is different from Tweened 07 Animation? Explain creating frame-by-frame animation taking suitable example.
  - (b) State importance of AndroidManifext.xml file in Android Application. Explain 07 in detail various tags used in AndroidManifest.xml file to enforce application platform requirement.

Q.2 (a) Explain underlying architecture of Android Platform 07

(b) Explain steps required to package android application. Explain various ways to 07 distribute android application.

#### OR

- (b) What are resources? Explain creating String and Color Resources and 07 accessing them programmatically taking suitable example.
- Q.3 (a) Explain Spinner and AutoCompleteTextView widgets taking suitable example. 07
  - (b) Explain in detail series of important method callbacks with diagram to 07 represent state changes within Activity Lifecycle.

### OR

- Q.3 (a) What is Context Menu? How it is different from Option Menu? Explain 07 creating context menu taking suitable example.
  - (b) Explain various methods of Canvas and Paint class with example. 07
- Q.4(a) List built-in layouts. Explain any two layouts in detail with example.07(b) Explain various methods of HttpURLConnection class with example.07

### OR

- Q.4 (a) What is Dialog? Explain different types of dialog supported in Android.
  (b) Explain WebViewClient and WebChromeClient class used to modify behavior 07 of WebView control.
- Q.5 (a) Explain reading and writing files to default directory with example.
  (b) Explain sending and Receiving SMS programmatically with example.
  07

#### OR

- Q.5 (a) Explain insert(), update() and delete() methods of SQLiteDatabase taking 07 suitable example.
  - (b) What is Content Provider? List Built-in content providers and explain any one 07 in detail with example.

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