

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-V • EXAMINATION – SUMMER • 2015

Subject Code: 2650003

Date: 06-05-2015

Subject Name: Mobile Computing

Time: 02:30 pm to 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) What is Frame-by-Frame Animation? How it is different from Tweened Animation? Explain creating frame-by-frame animation taking suitable example. **07**
- (b) State importance of AndroidManifest.xml file in Android Application. Explain in detail various tags used in AndroidManifest.xml file to enforce application platform requirement. **07**
- Q.2** (a) Explain underlying architecture of Android Platform **07**
- (b) Explain steps required to package android application. Explain various ways to distribute android application. **07**
- OR**
- (b) What are resources? Explain creating String and Color Resources and accessing them programmatically taking suitable example. **07**
- Q.3** (a) Explain Spinner and AutoCompleteTextView widgets taking suitable example. **07**
- (b) Explain in detail series of important method callbacks with diagram to represent state changes within Activity Lifecycle. **07**
- OR**
- Q.3** (a) What is Context Menu? How it is different from Option Menu? Explain creating context menu taking suitable example. **07**
- (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. **07**
- (b) Explain WebViewClient and WebChromeClient class used to modify behavior of WebView control. **07**
- Q.5** (a) Explain reading and writing files to default directory with example. **07**
- (b) Explain sending and Receiving SMS programmatically with example. **07**
- OR**
- Q.5** (a) Explain insert(), update() and delete() methods of SQLiteDatabase taking suitable example. **07**
- (b) What is Content Provider? List Built-in content providers and explain any one in detail with example. **07**
