

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER-V • EXAMINATION – Winter 2016

Subject Code: 2650003

Date: 22/11 /2016

Subject Name: Mobile Computing

Time: 10.30 am to 01.00 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 down the android versions with version no, code name & API Level. **07**
(b) Explain Android Software stack in details. **07**
- Q.2 (a)** Explain the lifecycle of Android Activity with diagram. **07**
(b) Explain the Following Android Tools **07**
1. DDMS 2. Android SDK and AVD Manager 3. Android Emulator
- OR**
- (b)** 1. Write a short note on OHA. **04**
2. Android is hailed as “the first complete, open, and free mobile platform”. **03**
- Q.3 (a)** 1. What is notification? How it is differ from Toast? **03**
2. Difference between view and view group **04**
(b) List and explain 3 methods of Log class with parameters. How it is useful for debugging application explain with example. **07**
- OR**
- Q.3 (a)** Which methods should be used to load 3 Bitmap resources and to start animation in case of Frame-By-Frame Animation? Which Method should be used to loop continuously for animation? **07**
(b) List out various indicators which are supported by android. Explain any one with example. **07**
- Q.4 (a)** What are the in-built layout classes? List down important View attributes of all in-built layout classes with appropriate example. **07**
(b) What is the use of AndroidManifest.xml file? Give the purpose of following tags of AndroidManifest.xml file. **07**
1. <activity>
2. <application>
3. <uses-sdk>
4. <intent-filter>
5. <uses-permission>
- OR**
- Q.4 (a)** Which three classes are used to manage behavior of webpage? Explain with code. **07**
(b) Explain Gallery view with code snippet. How it differ from Image View? **07**
- Q.5 (a)** Write line of code that must be inserted in Activity to read a fixed amount of text from a .txt file. **07**
(b) How to create database, create table, insert a record and search a record operation using SQLiteDatabase in android application? Explain with small example. What is the default path for database in android file system? **07**
- Q.5 (a)** What steps are required for publishing an application? **07**
(b) What is Content Provider? What are the Built-in Content Providers? Explain Call Log Content Provider with example. **07**
