

Code: CS7T2

**IV B.Tech - I Semester – Regular Examinations – November 2015**

**MOBILE APPLICATION DEVELOPMENT  
(COMPUTER SCIENCE AND ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain Android architecture with neat sketch. 7 M  
b) Explain Android virtual device manager and how to install and run “.apk” file into emulator. 7 M
2. a) Explain Activity Life Cycle with suitable example. 6 M  
b) Explain the following 8 M
  - i) Manifest file
  - ii) importance of “R” file.
3. a) Write an android program to demonstrate Table Layout. 7 M  
b) Write an android program to demonstrate List View. 7 M
4. a) Demonstrate Fragments with suitable example. 7 M  
b) Explain about Fragment transactions. 7 M

5. Write android program to implement the following using SQLite
- a. create a database object 3 M
  - b. update and delete operations on database object 8 M
  - c. close the database object. 3 M
6. a) Explain the steps to implement a Content provider. 6 M
- b) Write about the following. 8 M
- i) CONTENT\_URI
  - ii) File Management & Binary data
7. a) Write about different location based services to identify a mobile. 6 M
- b) Explain how you can control the Google Map with
- i) Keypad and ii) menu buttons 8 M
8. a) Write about multimedia support in android with an example. 9 M
- b) Write about the Bluetooth protocol stack. 5 M