

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED - SEMESTER-VII EXAMINATION SUMMER-2018

Subject Code: 4470611**Date: 03/05/2018****Subject Name: Mobile Programming****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)** Define the Terms: **07**
 (i) AVD (ii) DDMS
 (iii) ADB (iv) Monkey and Monkey Runner
 (v) LINT (vi) Linkify link
 (vii) ordered Broadcast
- (b)** Write the snippet to parse the xml file using XML pull Parser. **07**
- Q.2 (a)** (i) Write a note on: Android Software Stack **04**
 (ii) Write short note on AndroidManifest.xml file. **03**
- (b)** Explain Activity Life-Cycle in android by giving a suitable example **07**
OR
- (b)** What is the use of Dialog? Discuss various kinds of dialogs supported by Android. **07**
- Q.3 (a)** What is Shared Preference Framework? Write the snippet to store/retrieve the values in shared preferences using Shared Preference Framework. **07**
(b) Explain Service in android by giving a suitable example **07**
OR
- Q.3 (a)** What do you understand by an adapter? what is the use of adapter in android application? explain with an example. **07**
(b) Write the snippet to:
 (i) Finding all and a particular sensor of the host environment **03**
 (ii) create a Map based Activity. **04**
- Q.4 (a)** What is Content Provider? What is the need of content provider? List out different Built-in Content providers provided by android. **07**
(b) Define VideoView. Write the steps to play video stored in raw folder using videoview. **07**
OR
- Q.4 (a)** Discuss SQLite Database. Explain with suitable example for inserting, updating & deleting database records. **07**
(b) Explain the difference between Implicit Intent and Explicit Intent. List any 6 native android action in tabular form. **07**
- Q.5 (a)** What is Animation? List out different Animations in android. Explain Tween animation in brief. **07**
(b) Create a Simple Web View android application. **07**
OR
- Q.5 (a)** Write Steps for Monetizing and publishing an android Application. **07**
(b) List permissions required for the following tasks: **07**

- 1) Read file from Sd card
- 2) Write file to Sd card.
- 3) To access camera and take pictures
- 4) To access contacts
- 5) To play audio/Video
- 6) To access calendar
- 7) To access Internet Resources
