

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII EXAMINATION – SUMMER 2016****Subject Code:180708****Date:16/05/2016****Subject Name:Android Programming (Department Elective - II)****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) What is requirement of “Library” layer in Android architecture? **07**
(b) Write a short note on “Android Manifest”. **07**

- Q.2** (a) What is ADB? Why it's require? **07**
(b) What is requirement of Kernel layer in Android architecture? **07**

OR

- (b) Explain SQLiteDatabase in android. **07**

- Q.3** (a) Write a short note on “Intent”. **07**
(b) What is Android Runtime? Also explain Android Virtual Device. **07**

OR

- Q.3** (a) Explain Android Activity life Cycle. **07**
(b) Explain the various types of Android Application. **07**

- Q.4** (a) What is Parsing? Explain XML Parsing with suitable example. **07**
(b) Explain the following layouts **07**
1. Relative Layout
2. Frame Layout

OR

- Q.4** (a) What is Parsing? Explain JSON Parsing with suitable example. **07**
(b) Explain the following layouts **07**
1. Linear Layout
2. Table Layout

- Q.5** (a) Explain GUI Architecture of Android. **07**
(b) What is Listview. Write a java class to add any 10 items within Listview. **07**

OR

- Q.5** (a) Explain view. Also explain grid view and web view. **07**
(b) Create android application to do addition of any two numerical digits (xml file and Java Class Only). **07**
