

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER–VIII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2180715****Date: 29/11/2018****Subject Name: Android 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) List out various layouts available in Android. **03**
 (b) What are the JVM and DVM? Explain DVM in details. **04**
 (c) Describe Scroll View & List View? Explain with suitable Program. **07**
- Q.2** (a) Explain Android activity life cycle. **03**
 (b) Write the various layouts available in Android. Explain any one out of that. **04**
 (c) What is Intent? Explain Explicit vs. Implicit intents with Example. **07**
- OR**
- (c) Draw & Explain Android architecture. **07**
- Q.3** (a) Explain Scroll View and List View. **03**
 (b) Explain use of radio button in Android App. **04**
 (c) Create the Application for Car Show with Car Details. **07**
- OR**
- Q.3** (a) Explain use of Broadcast Receiver in android. **03**
 (b) What are the orientation modes of available in Android? Explain with Example. **04**
 (c) Write a Program for login page with database connectivity. **07**
- Q.4** (a) Explain SQLite Database and why it is required. **03**
 (b) Describe Activity lifecycle with diagram. **04**
 (c) Make Application for student's registration of basic details like Name, Enrollment No, Branch, Address and Mobile Number. **07**
- OR**
- Q.4** (a) What is use of Manifest file? **03**
 (b) Explain different input control. **04**
 (c) Write the code for create connection with SQLite Database. **07**
- Q.5** (a) Explain how to Test Android Application. **03**
 (b) Benefits of Loaders. Why use them. **04**
 (c) Explain loadInBackground() & onStart/StopLoading() with Example. **07**
- OR**
- Q.5** (a) What is the Use of Content Provider? **03**
 (b) How to implement widgets & how it is Use. **04**
 (c) Describe how to publish Android Application on Google Play. **07**
