

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017****Subject Code: 2180715****Date: 02/05/2017****Subject Name: Android Programming(Departmental Elective - III)****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 Android? Explain android architecture with diagram **07**  
(b) What is the JVM and DVM? Explain important role of DVM. **07**
- Q.2** (a) List of Various Layout in android. Write java code for display Table Layout **07**  
(b) Explain Android Manifest File and String.xml file with example **07**
- OR**
- (b) What is Scroll View, List View & Recycler View? Explain any one with suitable Program. **07**
- Q.3** (a) Write a Program for select any three subjects out of five using check box or radio button. **07**  
(b) What is Intent? Explain Explicit vs. Implicit intents **07**
- OR**
- Q.3** (a) What is Activity lifecycle? What is the significant role of each state? **07**  
(b) Write a Program move one page to another page using Intent. **07**
- Q.4** (a) How to manage the different screen sizes and orientations. **07**  
(b) What are the services available in android and how it works differ from Activity. **07**
- OR**
- Q.4** (a) Give brief idea about Internal versus external storage. **07**  
(b) Elaborate the input Controls in details. **07**
- Q.5** (a) List down the Advantage and Disadvantage of SQLite Database. **07**  
(b) Write a Program for establish connection with database. **07**
- OR**
- Q.5** (a) Write a Program store the input information in SQLite Database. **07**  
(b) What are widgets available in Android? Explain any two widgets with Example **07**

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