

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE – SEMESTER – VIII EXAMINATION – WINTER 2016**

**Subject Code: 180708****Date: 22/10/2016****Subject Name: Android Programming (Department Elective - II)****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) What is SDLC? Which SDLC is best to use? Explain any one. **07**  
(b) Explain android architecture with diagram. **07**
- Q.2** (a) Draw a diagram for activity life cycle and explain it. **07**  
(b) Explain WebView in android application. **07**
- OR**
- (b) Explain DDL, DML and DCL in SQL with example. **07**
- Q.3** (a) What is the role of DVM in android? Explain it. **07**  
(b) What is Emulator? Explain in brief. **07**
- OR**
- Q.3** (a) What is fragment and how we can create it in android application? **07**  
(b) What is parsing? Explain JSON parsing with example. **07**
- Q.4** (a) What is the use of Manifest file in android application? Explain it. **07**  
(b) Explain different types of menu in android. Write code for any one. **07**
- OR**
- Q.4** (a) What is the use of intent in android? Explain it with syntax. **07**  
(b) How many ways we can parse xml file? Explain any one. **07**
- Q.5** (a) Create simple registration form, pass and display those all entered data in another activity using intent. **07**  
(b) Write an android application for login & registration using SQLite database connectivity. **07**
- OR**
- Q.5** (a) List out different types of layouts in android. Explain any two layouts. **07**  
(b) What is SQLite database? Write code for adding, updating and removing data from SQLite database. **07**

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