

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**
