

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE – SEMESTER–VIII • EXAMINATION – SUMMER • 2014**

**Subject Code: 180708**

**Date: 27-05-2014**

**Subject Name: Android Programming**

**Time: 10:30 am - 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 the difference between Inheritance and polymorphism ? explain with example. **07**  
**(b)** Explain Android Architecture with example. **07**
- Q.2 (a)** What is Framework? Explain Android framework with figure. **07**  
**(b)** What is Dalvik Virtual Machine ? explain. **07**
- OR**
- (b)** Explain activity lifecycle of Android application. **07**
- Q.3 (a)** How to adding , updating and deleting content in android application **07**  
**(b)** Explain GUI Architecture of android . **07**
- OR**
- Q.3 (a)** What is virtual device and SDK manager ? Explain **07**  
**(b)** Explain types of android application. And create any small application in android ? **07**  
explain.
- Q.4 (a)** What is Parsing ? explain XML parsing and JSON parsing with example. **07**  
**(b)** What is SQLite database? How to provide the database connection using SQLite **07**  
database.
- OR**
- Q.4 (a)** What is view ? explain Web views and gridview with example. **07**  
**(b)** What is web services ? how it integrates and implements in industrial projects ? **07**
- Q.5 (a)** How to create menus in android ? explain with example **07**  
**(b)** Create a Simple Web View android application. **07**
- OR**
- Q.5 (a)** Explain Layouts and Android Widget Toolbox. **07**  
**(b)** Create a Simple Grid View android application. **07**

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