

# GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER– VIII • EXAMINATION – SUMMER 2015

**Subject Code:180708**

**Date: 05/05/2015**

**Subject Name: Android Programming**

**Time: 10:30am to 1:00pm**

**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 SQLite database? How to provide the database connection using SQLite database. **07**
- (b)** What is Dalvik Virtual Machine? Explain. **07**
- Q.2 (a)** How to adding, updating and deleting content in android application. **07**
- (b)** Explain GUI Architecture of android. **07**
- OR**
- (b)** Define method. What is difference between an instance method and class method. **07**
- Q.3 (a)** Explain android architecture with example. **07**
- (b)** Define constant interface. Why constant interfaces used? **07**
- OR**
- Q.3 (a)** Explain types of application and create any small application in android. **07**
- (b)** What is virtual device and SDK manager? Explain. **07**
- Q.4 (a)** What is Emulator? Explain in brief. **07**
- (b)** What is view? Create a simple Grid View application. **07**
- OR**
- Q.4 (a)** What is manifest? Write application of manifest. **07**
- (b)** What is view? Create simple Web View application. **07**
- Q.5 (a)** Difference between DOM, SAX and JSON Parsing. **07**
- (b)** Explain activity lifecycle of android application. **07**
- OR**
- Q.5 (a)** Create layouts of android widgets toolbox. **07**
- (b)** What is XML parsing? Explain. **07**

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