

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**
