

GUJARAT TECHNOLOGICAL UNIVERSITY
BE / ME / MBA / MCA - SEMESTER- • EXAMINATION – WINTER 2017

Subject Code:180708

Date: 04/05/2018

Subject Name: Android Programming

Time:10:30 to 01:00

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)** Explain Software Development Life Cycle. **07**
(b) Show the use of Inheritance in Android Application with example. **07**
- Q.2 (a)** Create an application having TextView, EditText and Button. **07**
When use click on Button, content in EditText should be displayed in TextView.
(b) Explain Android Architecture. **07**
- OR**
- (b)** Show three uses of ADB. **07**
- Q.3 (a)** Explain Android Activity life cycle. **07**
(b) List atleast 4 layouts and explain any one with example. **07**
- OR**
- Q.3 (a)** Explain Android Service life cycle. **07**
(b) Demonstrate use of ArrayAdapter and Spinner control with code. **07**
- Q.4 (a)** Create a simple registration form using EditText, Radio Button, and store the user value in Sqlite. **07**
(b) Apply Button click using three approaches. **07**
- OR**
- Q.4 (a)** Create a simple registration form using EditText, Radio Button, and store the user value in SharedPreferences. **07**
(b) Demonstrate use of ToggleButton class with example. Play Music on toggle on and music off on toggle off. **07**
- Q.5 (a)** Show use of at least three tag from AndroidManifest.xml file. **07**
(b) What is Implicit and Explicity intent. Apply both in one application. (Code is must). **07**
- OR**
- Q.5 (a)** Write a code to store one line in file which resides in sdcard. **07**
(b) Explain Log class with example. **07**
