

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE- SEMESTER-VIII (OLD) EXAMINATION – WINTER 2020****Subject Code:180708****Date:25/01/2021****Subject Name:Android Programming****Time:02:00 PM TO 04:00 PM****Total Marks: 56****Instructions:**

1. Attempt any **FOUR** questions out of **EIGHT** questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain Inheritance with example. **07**
(b) List out Software Development life cycle models and Explain SDLC. **07**
- Q.2** (a) Draw Android Architecture and explain library layer in architecture. **07**
(b) Write short note on Android Manifest file. **07**
- Q.3** (a) Draw and Explain Android Activity life cycle. **07**
(b) List various android layouts and Explain any one with example. **07**
- Q.4** (a) What is view? Explain Web view with example. **07**
(b) What is parsing? Explain JSON parsing with example. **07**
- Q.5** (a) Explain SQLite Database in Android. **07**
(b) Write short note on Bluetooth and NFC in Android. **07**
- Q.6** (a) What is sensor manager in android? Explain categories of sensors. **07**
(b) Explain following **07**
(1) Types of android application (2) How to generate toast in Android?
- Q.7** (a) What is intent? Explain implicit and Explicit intent with example. **07**
(b) List out different menus in Android and Explain any one with example. **07**
- Q.8** (a) Explain Dalvik Virtual Machine-DVM in detail. **07**
(b) Explain Fragments in Android. **07**
