

**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.

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

\*\*\*\*\*