

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-V EXAMINATION – WINTER 2018

Subject Code: 650003

Date: 20/11/2018

Subject Name: Mobile Computing

Time: 10.30 am to 01.00 pm

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)** 1. Define services in Android 7
2. What is <application> tag?
3. What is notification? How it is differ from Toast?
4. State whether the statement is true or false: There are six number of different dialog types available within the Android SDK.
5. How Log.e() method is useful for android.util.Log class.
6. What is the role of hardware abstraction layer(HAL)?
7. Enlist the types of progress bar provide by Android SDK
- (b)** Explain the lifecycle of Android 7
- Q-2 (a)** 1. What are the steps required for publishing an application? 4
2. Explain the Android application architecture. 3
- (b)** How Handler class is used for Background thread processing. 7
- OR
- (b)** Describe different types of Drawable resources with example. 7
- Q-3 (a)** Explain any seven components of an Android application. 7
(b) What is Layout? Explain types of layouts in detail. 7
- OR
- (a)** What are Content providers? How do you create your own Content provider in Android? 7

- (b) How SQLiteQueryBuilder can be used to build and execute INNER JOIN between two tables? Illustrate it using suitable example. 7

- Q-4** (a) What is AndroidManifest.xml file? Explain the structure of it. Which kind of information can be stored in it? 7
- (b) Explain the different Tweening Transformation. 7

OR

- (a) What is WebView? Explain the use of WebView Control to load content from specific website. 7
- (b) Explain Following:
1. Activity Life cycle. 4
 2. How to send SMS in Android application? 3

- Q-5** (a) Explain insert (), update () and delete () methods of SQLiteDatabase class. 4
- (b) Describe the Telephony API of Android. 7

OR

- (a) What is notification? How it differ from Toast? Give the suitable Example. 7
- (b) 1. What is menu? Explain types of menu available in Android. 4
2. Which are the methods and attributes used to set image of ImageView? 3
