

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER- VIII (New) EXAMINATION – WINTER 2019****Subject Code: 2180715****Date: 29/11/2019****Subject Name: Android Programming****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) What is AVD? Explain the process of creating AVD in Android application development.	03
	(b) What are the orientation modes of available in Android? Explain with	04
	(c) Draw and explain Activity Life Cycle in detail/.	07
Q.2	(a) How to use Navigation drawer in Android App?	03
	(b) Write a code to add ProgressDialog in Android App.	04
	(c) Create an android activity that will display record of a customer fetched from a SQLiteDatabase.	07
	OR	
	(c) Write a code to insert studentDetails (sID, SName, sEnrollmentNo) in SQLite database using Android App.	07
Q.3	(a) What is material design in Android?	03
	(b) List out various layouts available in Android. Explain any one in detail.	04
	(c) Explain the concept of AsyncTask with an example.	07
	OR	
Q.3	(a) What is the significance of Android Manifest file?	03
	(b) How to use spinner in Android App? Explain with an example.	04
	(c) What you mean by fragment in Android? Explain fragment with an example.	07
Q.4	(a) What is content resolver? Discuss in brief.	03
	(b) What is the use of BroadcastReceiver? How to add it in Android App?	04
	(c) Create an android application that will convert distance entered into Kilometers into Meters and Centimeters. (Write XML file and Java file only)	07
	OR	
Q.4	(a) Explain the use of RadioButton and RadioGroup with an example.	03
	(b) What are the monetary advantages which you may get after publishing your application?	04
	(c) Write all necessary code to print all the files stored in DCIM folder of SD card.	07
Q.5	(a) What is widget?	03
	(b) What is parsing? Discuss how you can perform parsing using JSON in Android application.	04
	(c) Write a code to send e-mail from Android App using the concept of explicit intent.	07
	OR	
Q.5	(a) What is Service? Differentiate between Activity and Service.	03
	(b) Discuss AsyncTaskLoader in detail.	04
	(c) Write a steps to create an android application for Movie Ticket Booking.	07
