

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2018

Subject Code: 2180715

Date: 07/05/2018

Subject Name: Android Programming(Departmental Elective - III)

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) List out methods (states) of Android activity life cycle. **03**  
(b) List out various layouts available in Android. Explain anyone in detail. **04**  
(c) Write a code to send data from one activity to another activity using implicit intent. **07**
- Q.2** (a) What is the significance of Android Manifest file? **03**  
(b) What are the differences between JVM and DVM? **04**  
(c) Explain Android architecture with proper diagram. **07**
- OR**
- Q.3** (c) Explain the concept of AsyncTask with an example. **07**  
(a) Explain the use of RadioButton and RadioGroup with an example. **03**  
(b) How to use spinner in Android App? Explain with an example. **04**  
(c) Write a code to send e-mail from Android App using the concept of explicit intent. **07**
- OR**
- Q.3** (a) What is material design in Android? **03**  
(b) What is the use of BroadcastReceiver? How to add it in Android App? **04**  
(c) What is ScrollView and ListView? Explain anyone with suitable example. **07**
- Q.4** (a) How to use Navigation drawer in Android App? **03**  
(b) Write a code to add ProgressDialog in Android App. **04**  
(c) Write all necessary code to print all the files stored in DCIM folder of SD card. **07**
- OR**
- Q.4** (a) Explain Content Providers in brief. **03**  
(b) Demonstrate the use of CheckBox in Android App. **04**  
(c) How to add notification in Android App? Explain with an example. **07**
- Q.5** (a) Briefly explain AsyncTaskLoader. **03**  
(b) Write a code to use ToggleButton in Android App. **04**  
(c) What you mean by fragment in Android? Explain fragment with an example. **07**
- OR**
- Q.5** (a) Write the significance of onCreate() and onUpgrade() methods of SQLiteOpenHelper class. **03**  
(b) Write the significance and syntax of update() and delete() of SQLiteDatabase class. **04**  
(c) Write a code to insert studentDetails (sID, SName, sEnrollmentNo) in SQLite database using Android App. **07**

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