

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

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII(NEW) EXAMINATION – SUMMER 2019****Subject Code:2180715****Date:17/05/2019****Subject Name:Android Programming****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.

		MARKS
Q.1	(a) What is the significance of Android Manifest file?	03
	(b) Explain Activity Life Cycle .	04
	(c) Explain Android architecture with proper diagram.	07
Q.2	(a) Explain DVM.	03
	(b) Explain LinearLayout .	04
	(c) Write code to send data from one activity to other activity using Explicit Intent .	07
OR		
Q.3	(c) Write code to Validate email address in Android.	07
	(a) Explain Checkbox with example.	03
	(b) Differentiate between Explicit Intent and Implicit Intent .	04
	(c) Explain different types of menu in android with example.	07
OR		
Q.3	(a) Explain Content Provider .	03
	(b) Explain Material Design .	04
	(c) Explain RadioButton and RadioGroup with suitable Example.	07
Q.4	(a) Briefly explain AsyncTaskLoader .	03
	(b) Explain ToggleButton with example.	04
	(c) How to manage the different screen sizes and orientations.	07
OR		
Q.4	(a) What is a Notification ?	03
	(b) Write code to display Toast Message on click of Button .	04
	(c) Explain Fragments with appropriate example.	07
Q.5	(a) Briefly explain RatingBar in Android.	03
	(b) How to publish the Android Application into Google Appstore .	04
	(c) Write code to open browser with entered URL by the user.	07
OR		
Q.5	(a) Explain Permission Model in android.	03
	(b) Explain Internal vs External Storage .	04
	(c) Write Code to insert Customer Details (cID, cName, cOrderID) in SQLite Database in Android .	07

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER–VIII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2180715****Date: 29/11/2018****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.

- Q.1** (a) List out various layouts available in Android. **03**
(b) What are the **JVM and DVM**? Explain DVM in details. **04**
(c) Describe Scroll View & List View? Explain with suitable Program. **07**
- Q.2** (a) Explain Android **activity life cycle**. **03**
(b) Write the various layouts available in Android. Explain any one out of that. **04**
(c) What is **Intent**? Explain Explicit vs. Implicit intents with Example. **07**
- OR**
- (c) Draw & Explain **Android architecture**. **07**
- Q.3** (a) Explain Scroll View and List View. **03**
(b) Explain use of **radio button in Android** App. **04**
(c) Create the Application for Car Show with Car Details. **07**
- OR**
- Q.3** (a) Explain use of Broadcast Receiver in android. **03**
(b) What are the orientation modes of available in Android? Explain with Example. **04**
(c) Write a Program for login page with database connectivity. **07**
- Q.4** (a) **Explain SQLite Database and why it is required**. **03**
(b) Describe **Activity lifecycle with** diagram. **04**
(c) Make Application for student's registration of basic details like Name, Enrollment No, Branch, Address and Mobile Number. **07**
- OR**
- Q.4** (a) What is use of **Manifest file**? **03**
(b) Explain different input control. **04**
(c) Write the code for **create connection with SQLite Database**. **07**
- Q.5** (a) Explain how to **Test Android Application**. **03**
(b) **Benefits of Loaders**. Why use them. **04**
(c) Explain **loadInBackground()** & **onStart/StopLoading()** with Example. **07**
- OR**
- Q.5** (a) What is the Use of **Content Provider**? **03**
(b) How to implement **widgets &** how it is Use. **04**
(c) Describe how to **publish Android Application on Google Play**. **07**

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**
- (c) Explain the concept of AsyncTask with an example. **07**
- Q.3** (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**

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017****Subject Code: 2180715****Date: 02/05/2017****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) What is Android? Explain android **architecture** with diagram **07**
(b) What is the **JVM and DVM**? Explain important role of DVM. **07**
- Q.2** (a) List of **Various Layout in** android. Write java code for display Table Layout **07**
(b) Explain Android Manifest File and String.xml file with example **07**
- OR**
- (b) What is Scroll View, List View & Recycler View? Explain any one with suitable Program. **07**
- Q.3** (a) Write a Program for select any three subjects out of five using check box or radio button. **07**
(b) What **is Intent**? Explain Explicit vs. Implicit intents **07**
- OR**
- Q.3** (a) What is **Activity lifecycle**? What is the significant role of each state? **07**
(b) Write a Program move one page to another page using Intent. **07**
- Q.4** (a) How to manage the different screen sizes and orientations. **07**
(b) What are the services available in android and how it works differ from Activity. **07**
- OR**
- Q.4** (a) Give brief idea about **Internal versus external storage**. **07**
(b) Elaborate the input Controls in details. **07**
- Q.5** (a) List down the **Advantage and Disadvantage of SQLite Database**. **07**
(b) Write a Program for establish connection with database. **07**
- OR**
- Q.5** (a) Write a Program store the input information in SQLite Database. **07**
(b) What are **widgets available in Android**? Explain any two widgets with Example **07**
