

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2023****Subject Code:3161612****Date:10-07-2023****Subject Name:Mobile Application Development****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.
4. Simple and non-programmable scientific calculators are allowed.

	MARKS
Q.1 (a) Demonstrate the use of <i>Toast</i> in Android App.	03
(b) Briefly explain Android manifest file.	04
(c) Explain Android activity life cycle.	07
Q.2 (a) How <i>Bundle</i> can be used in Android App?	03
(b) Differentiate between <i>Activity</i> and <i>Fragment</i> with respect to Android App.	04
(c) Demonstrate the use of <i>explicit intent</i> with an example.	07
OR	
(c) Design Android App to send an email using the concept of <i>implicit intent</i> .	07
Q.3 (a) How <i>menu</i> can be used in Android App?	03
(b) Demonstrate the concept of <i>RadioGroup</i> with an example.	04
(c) Create Android App which will take two numbers from user using <i>EditText</i> and prints the sum of both the numbers in <i>TextView</i> on button click. Ensure that users can enter numbers only from the <i>EditText</i> .	07
OR	
Q.3 (a) How <i>AutoCompleteTextView</i> can be used in Android App?	03
(b) Demonstrate the concept of <i>ViewGroup</i> with an example.	04
(c) Create an Android App in which employee can select one or more city from the group of four cities and prints the selected cities in <i>TextView</i> on button click.	07
Q.4 (a) What is the significance of <i>spinner</i> in Android App?	03
(b) List out different layouts available in Android and explain any one in detail.	04
(c) Design Android App having facility of student registration. (Use <i>SQLite</i> database.)	07
OR	
Q.4 (a) Briefly explain: Hardware Acceleration	03
(b) What is the use of Content Provider in Android?	04
(c) Design Android App having facility of login. (Use <i>SQLite</i> database.)	07
Q.5 (a) How to publish Android App?	03
(b) Write a code to play audio using Android App.	04
(c) Design Android App which takes a location (i.e. Name of the place/city) from user and pins the same on Google map.	07
OR	
Q.5 (a) Briefly explain: Shared preferences	03
(b) Write a code to play video using Android App.	04
(c) Demonstrate the use of <i>webview</i> in Android App.	07
