

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2024****Subject Code: 3161612****Date:20-05-2024****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) Give the significance of <i>Bundle</i> in Android App.	03
	(b) Demonstrate the use of <i>Fragment</i> with respect to Android App.	04
	(c) List out different layouts available in Android and explain any three in detail.	07
Q.2	(a) Demonstrate the concept of <i>RadioGroup</i> with an example.	03
	(b) What is the purpose of <i>menu</i> ? How it can be used in Android?	04
	(c) Explain View and View Groups with an example.	07
	OR	
	(c) Explain Android activity life cycle.	07
Q.3	(a) How to use <i>Toast</i> in Android App?	03
	(b) Briefly explain: Animation in Android.	04
	(c) Create an Android App in which student can select one or more subject from the group of four subjects and prints the selected subject in Text View on button click.	07
	OR	
Q.3	(a) How versioning can be managed in Android App?	03
	(b) What is the purpose of <i>intent-filter</i> mentioned in Android manifest file?	04
	(c) Demonstrate the use of Location services in Android with an example.	07
Q.4	(a) Give the significance of <i>webview</i> in Android App.	03
	(b) Briefly explain: Content Provider in Android.	04
	(c) Create Android App which will take a number from user using EditText and prints whether the number is Even or Odd in TextView on button click.	07
	OR	
Q.4	(a) How to mention permission required by an Android App?	03
	(b) How to play audio using Android App?	04
	(c) Demonstrate the use of SQLite database in Android App with an example.	07
Q.5	(a) What is the significance of Shared preferences in Android?	03
	(b) How to play video using Android App.	04
	(c) Demonstrate the use of <i>spinner</i> in Android App.	07
	OR	
Q.5	(a) List the steps to be followed for publishing an Android App?	03
	(b) What is Hardware acceleration? Explain its significance.	04
	(c) What is the use of <i>intent</i> ? Explain different types of <i>intent</i> with an example.	07
