

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER- VII EXAMINATION – SUMMER 2026

Subject Code:3170726

Date:05-06-2026

Subject Name:Mobile Application Development

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.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Explain the purpose of the Android Manifest file.	03
	(b) Differentiate between a Flowchart and a Data Flow Diagram (DFD)	04
	(c) Describe Scroll View and List View with an example	07
Q.2	(a) Explain the different types of Intent with a suitable example.	03
	(b) Explain basic building blocks/components of Android Application.	04
	(c) Write a brief note on android Architecture with proper diagram	07
	OR	
	(c) Define Fragment. Draw and explain the lifecycle of a fragment.	07
Q.3	(a) What is Dialog? Explain Alert Dialog with an example	03
	(b) Explain Material Design Toolbar with suitable example	04
	(c) Define UI component in an Android application. Explain any three briefly.	07
	OR	
Q.3	(a) What is Layout? What are the advantages of setting a Layout?	03
	(b) What is the Content Provider in Android?	04
	(c) Explain different types of menus in android with example.	07
Q.4	(a) Explain the use of Shared Preferences.	03
	(b) Explain the concept of AsyncTask with an example.	04
	(c) Write the code to create connection with SQLite Database	07
	OR	
Q.4	(a) Explain Location Service in Android with Example	03
	(b) Explain Internal vs. External storage.	04
	(c) Write the code for inserting and delete election vote records with SQLite Database	07
Q.5	(a) How to add notification in Android App? Explain with an example.	03
	(b) How can you publish your application in Google Play Store? Explain the entire process.	04
	(c) Write a code to get current location & display it in text view.	07
	OR	
Q.5	(a) Explain the use of Broadcast Receiver in Android.	03
	(b) What is a Service? Discuss various Service lifecycle methods in detail.	04
	(c) Write a code to take picture with camera and display current date time with it using android application	07
