

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VI EXAMINATION – WINTER 2025

Subject Code:3161612

Date:19-11-2025

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 Intent and Fragment in Android.	03
	(b) Define Android. Explain different Android features.	04
	(c) Explain the lifecycle of Android Activity with suitable diagram.	07
Q.2	(a) Write in brief about Android Service.	03
	(b) Discuss types of intent to link android activities.	04
	(c) Explain detail architecture of Android with suitable block diagram.	07
	OR	
	(c) What is Intent? How are they used to Broadcast and Receive Events?	07
Q.3	(a) Explain how to build data with Adapter View class.	03
	(b) Discuss the advantages of Android.	04
	(c) Define Data Storage. List all data storage option.	07
	OR	
Q.3	(a) What is the use of <permission> tag? Where permission can be enforced?	03
	(b) Define with suitable example: 1. Style 2. theme	04
	(c) Write detailed note on different types of layouts.	07
Q.4	(a) Which are the built in useful content providers in Android?	03
	(b) Define Drawables and explain shapedrawable in detail.	04
	(c) Which steps are required for publishing an Android application?	07
	OR	
Q.4	(a) Illustrate the various storage that are provided by Android.	03
	(b) How does Android support Hardware Acceleration?	04
	(c) What is use of Media player class? Briefly explain method of it.	07
Q.5	(a) How to handles the UI events in Android?	03
	(b) What is canvas in Android? Give brief description for same.	04
	(c) Define Animation. Describe ways to achieve animation.	07
	OR	
Q.5	(a) Discuss how to apply the versioning in Android application.	03

- (b)** Why there are less chances of device corruption with Android Applications **04**
- (c)** Describe the ways you can draw 2D graphics in Android with some example **07**
