GUJARAT TECHNOLOGICAL UNIVERSITY
B.VOC- SEMESTER–IV EXAMINATION – SUMMER 2025

Subject Code:21140202   **Date:13-05-2025**

Subject Name: Mobile Application Development-I

Time:10:30 AM TO 12:30 PM   **Total Marks:50**

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 Activity life cycle in detail.	**05**
	(b)	Define DVM. What is the difference between JVM and DVM?	**05**
Q.2	**(a)**	List out various layouts available in Android. Explain all in detail.	**05**
	(b)	Write a note on Android Architecture.	**05**
		OR	
	(b)	Explain Android R.java file.	**05**
Q.3	**(a)**	What are UI components? Explain it.	**05**
	(b)	What is a Toast Notification? Explain with an example.	**05**
		OR	
Q.3	**(a)**	Explain Fragment Lifecycle.	**05**
	(b)	Explain Edit Text with Android Code.	**05**
Q.4	**(a)**	Write a note on dialog as an activity.	**05**
	(b)	Explain Options Menu with Android Code.	**05**
		OR	
Q.4	**(a)**	What are the Device orientation modes available in Android? Explain with suitable examples.	**05**
	(b)	How to manage the different screen sizes and orientations.	**05**
Q.5	**(a)**	What is SQLite database? Explain methods for creating, updating, deleting and querying database records by giving a suitable example.	**05**
	(b)	Write an Android Program to store the input information in SQLite Database.	**05**
		OR	
Q.5	**(a)**	Give the overview of different databases of android.	**05**
	(b)	Differentiate Internal Storage and External Storage.	**05**