GUJARAT TECHNOLOGICAL UNIVERSITY
M.SC(IT)- INTEGRATED – SEMESTER V- EXAMINATION –SUMMER-2025

Subject Code: 1350502   **Date: 13/05/2025**
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. **Use of simple calculators and non-programmable scientific calculators are permitted.**

			Marks
Q.1	**(a)**	Do as directed.	**03**
		i) What is use of AndroidManifest.xml?	
		ii) What is Theme in Android?	
		iii) What is use of Toast?	
	(b)	What is use of strings.xml? Explain.	**04**
	(c)	Explain life cycle of Android activity.	**07**
Q.2	**(a)**	What is adapter? How it is useful?	**03**
	(b)	What are different layouts available in android? Explain any one.	**04**
	(c)	What is Intent? What are different type of intents? Explain use of intent.	**07**
		OR	
	(c)	What is fragment? How can we add, replace and remove fragment?	**07**
Q.3	**(a)**	What is use of internet services?	**03**
	(b)	Explain use of <activity> and <intent-filter> elements.	**04**
	(c)	Write short note on download manager.	**07**
		OR	
Q.3	**(a)**	What permission is needed to write and read files to internal storage and SD card? Where and how these permissions are requested?	**03**
	(b)	What is use of AsyncTask class in Android?	**04**
	(c)	What is SQLite database? Explain methods to insert and query records within a SQLite database table.	**07**
Q.4	**(a)**	Differentiate : Activity and Service.	**03**
	(b)	What is use of Alarm service?	**04**
	(c)	What is Conent Provider in Anrdoid? List out different built-in content providers in Android. Explain any one.	**07**
		OR	
Q.4	**(a)**	What is use of notification? Explain.	**03**
	(b)	What is use of toast? How can we create custom toast in Android?	**04**
	(c)	What is Dailog box? List and explain different type of dialog boxes in android.	**07**

Q.5 **(a)** What are shared preferences? Explain. **03**

(b) What are different types of menu available in Android? Explain any one. **04**

(c) What is animation? What are different type of animations in android? Explain any one. **07**

OR

Q.5 **(a)** How can we use VideoView to play videos in Android? **03**

(b) How can we send SMS from our application? **04**

(c) Write steps for monetizing and publishing an Android application. **07**