Enrollment No./Seat No.:

GUJARAT TECHNOLOGICAL UNIVERSITY
M.SC INTEGRATED - SEMESTER - V EXAMINATION - WINTER 2025

Subject Code: 1350502   **Date: 17-11-2025**

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. Use of simple calculators and non-programmable scientific calculators are permitted.

			Marks
Q.1	(a)	Explain different types of android applications.	03
	(b)	Explain any four android development tools.	04
	(c)	What is android? Explain android architecture in detail.	07
Q.2	(a)	Write a note on different resources in android.	03
	(b)	List out built-in Layouts in android. Explain LinearLayout & RelativeLayout by giving a suitable example.	04
	(c)	Explain Activity Life-Cycle in android by giving a suitable example.	07

OR

	(c)	What is AndroidManifest.xml file? What kind of information is stored in it? Explain Structure of it.	07
Q.3	(a)	What is linkify? Explain native linkify link types.	03
	(b)	What is adapter class? Explain native android adapters.	04
	(c)	What is Animation? List out different Animations supports in android.	07

OR

	(a)	How to draw various shapes in Canvas? Explain any one.	03
	(b)	What is intent? Differentiate between implicit and explicit intent?	04
	(c)	List out different Menus in android. Explain Context Menu in detail by giving a suitable example.	07
Q.4	(a)	Explain the use of Fragments by giving a suitable example.	03
	(b)	What is Content Provider? List out different Built-in Content providers provided by android.	04
	(c)	What is SQLite database? Explain methods for creating, updating, deleting and querying database records by giving a suitable example.	07

OR

	(a)	Write a code to make a phone call using Intent.	03

(b)	What is Dialog box? What different types of dialog box are available in android?	**04**
(c)	What is SharedPreferecnes? Write a code to store and retrieve data using SharedPreferences.	**07**
Q.5 (a)	What is the use of notification? Explain notificationmanager class.	**03**
(b)	How to Parse XML using the XML Pull Parser? Explain in detail.	**04**
(c)	How can we retrieve data with the use of the query method in Android? Explain all the parameters of the query method.	**07**

OR

(a)	Explain WebView by giving a suitable example.	**03**
(b)	Explain the use of AsyncTask with example.	**04**
(c)	Explain steps required to publish an Android Application.	**07**

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