Seat No.:

Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY ME - SEMESTER- III • EXAMINATION - WINTER 2015

	Subject Code: 2735301 Date:04/12/ 2 Subject Name: Advanced Programming on Mobile Devices - II		2015	
	Time Instrue	: 2:30 to 5:00 Total Mark	ks: 70	
		<ol> <li>Attempt all questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>		
Q.1	(a) (b)	Draw & Explain Android architecture (Software Stack). Explain various layouts available for GUI designing in android with example.	07 07	
Q.2	(a) (b)	Describe usage of following configuration file for android development. 1. AndroidManifest.xml (2 Marks) 2. project.properties (1 Marks) 3. styles.xml (2 Marks) 4. strings.xml (1 Marks) 5. arrays.xml (1 Marks) Write brief code for: Display City Name in Listview using Sqlite Database. OR	07	
	(b)	Write brief code for: Display City Name in Spinner using Sqlite Database.	07	
Q.3		Write importance of Intent. Write brief code to pass values/data from Activity1 To Acitivity2.Display received values/data in Activity2.	07	
	(b)	Suggest a solution for the following problem (Android Code is expected as a solution): Display Toast showing "Internet is Connected", when Internet connection available.	07	
0.2	(-)	OR		
Q.3	(a)	What is Importance of broadcast receiver? Write a code to display toast "New Message available in your Inbox" using Broadcast receiver.	07	
	(b)	Draw and Explain Activity life cycle.	07	
Q.4	(a) (b)	Write steps to integrate Google Map V2.0 in your android activity. Explain Multithreading in android OR	07 07	
Q.4	(a) (b)	Write a broadcast receiver registration code for AndroidManifest.xml Write a Service registration code for AndroidManifest.xml Explain Android HTTP Request/Response Model	07 07	
Q.5	(a) (b)	Explain System-Level Security Features. Explain Service & Its Life cycle with example. OR	07 07	
Q.5	(a) (b)	Explain AIDL interface. Write a code to get GPS Location & display it in TextView.	07 07	

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