GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER– IV • EXAMINATION – WINTER - 2019

Subject Code: 4649303   **Date: 15/11/ 2019**

Subject Name: Mobile Computing

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.

Q.1	**(a)**	Answer the following questions in short.	**07**
		(1) What is AVD? What is the requirement of it in Android Programming?	
		(2) Write down the use of Toast with its syntax.	
		(3) How to assign string array to Spinner using Array Adapter? Explain with example.	
		(4) How to register any new activity in Android Menifest.xml file? Write down xml tag only.	
		(5) What is the use of LogCat in Android? Give proper example.	
		(6) Explain ImageView control with its attributes and method.	
		(7) What is the default path for database in android file system?	
	(b)	What is Resource in Android? Explain strings.xml, style.xml and colors.xml with suitable example.	**07**
Q.2	**(a)**	List out use of Shared Preferences in Android. Explain detail steps for creating, saving and retrieving it with suitable example.	**07**
	(b)	Write short note on View. How to create Custom Spinner view? Explain in details.	**07**
		OR	
	(b)	What is the concept of Fragment in Android? Explain its life cycle with diagram.	**07**
Q.3	**(a)**	Write detail short note on Loaders, Cursor Loader and cursor loader callbacks.	**07**
	(b)	Explain Android Architecture with proper diagram.	**07**
		OR	
Q.3	**(a)**	List out four basic types of Tween Animation and explain any two with its attributes.	**07**
	(b)	Write short note on BroadcastReceiver Class with attributes, methods and suitable example of it.	**07**
Q.4	**(a)**	What is the use of SQLite Database? Explain the use of Content Values for inserting, updating records in it.	**07**
	(b)	Explain the concept of AsyncTask Class Tasks with example.	**07**
		OR	
Q.4	**(a)**	How to send and receive SMS using telephony API classes? Explain with suitable example.	**07**
	(b)	Write Step by step process for Monetizing and publishing an android Application.	**07**
Q.5	**(a)**	Explain NotificationManager Class with different ways to convey information to user along with example.	**07**
	(b)	How to take a picture using camera and display it in an ImageView? Explain with detail steps.	**07**
		OR	
Q.5	**(a)**	Explain concept of Dialogs with its different types supported by Android.	**07**
	(b)	How we can record a video using the camera in android and manage in Media store? Explain with suitable example.	**07**

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