GUJARAT TECHNOLOGICAL UNIVERSITY MCA Integrated - SEMESTER- VII EXAMINATION - SUMMER - 2017

Su	bject	Code:4470611 Date:02-05-2017	
Tiı	ne: 0	Name: Mobile Programming2:30 PM - 05:00 PMTotal Marks: 70	
Inst	tructio 1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary.	
Q.1	(a)	 (I) Differentiate between: (any 2) i) Activity & Service ii) Frame-by-Frame Animation & Tween Animation iii) Gallery View & Image View 	04
		 (II) Write down the permissions required for the following: i) Using internet resources ii) Retrieve Contact details iii) Sending & Receiving SMS 	03
	(b)	Explain Shared Preferences. Discuss the process of creating, saving and then retrieving Shared Preferences.	07
Q.2	(a)	Explain different kind of menus available in the Android. Also explain with example how to set or invoke them within the application.	07
	(b)	What is Content Provider? Enumerate built-in content providers and also explain any one of them in detail.	07
	(b)	What is the use of Dialog? Discuss various kinds of dialogs supported by Android.	07
Q.3	(a) (b)	Explain various lifecycle methods of Android Activity with proper diagram. How to add logging support to an android application? Discuss various methods of android.util.Log class.	07 07
Q.3	(a)	OR What is WebView? Explain using code how to load content from specific Website and	07
	(b)	HTML file into WebView control. What is Layout? List out different Layouts supported by Android system and also explain RelativeLayout with example.	07
Q.4	(a)	Discuss SQLite Database. Explain with suitable example for inserting, updating & deleting database records.	07
	(b)	Explain the use of AndroidManifest.xml file. Discuss it structure with example. OR	07
Q.4	(a) (b)	 Explain TableLayout and Table Row view attributes. Explain the following widgets with syntax and suitable example: (any 2) 1. Spinner 2. SeekBar 3. MultiAutoComplete TextView 4. Chronometer 	07 07
Q.5	(a) (b)	Discuss the uses of different Android Development Tools. What is Android Resource? Explain using example how to define and work with String, Color and Boolean resource.	07 07
o -		OR	~ ~
Q.5	(a) (b)	Explain Android software stack in detail. Discuss the use of Spinner Control with example.	07 07
