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Su Ti	bject me:1 tructi 1. 2.	GUJARAT TECHNOLOGICAL UNIVERSITY         MCA - SEMESTER-V • EXAMINATION – Winter 2016         Code: 2650003       Date:22/11 /20         Name: Mobile Computing         0.30 am to 01.00 pm       Total Marks:         ons:         Attempt all questions.         Make suitable assumptions wherever necessary.         Figures to the right indicate full marks.	
Q.1	(a) (b)	List down the android versions with version no, code name & API Level. Explain Android Software stack in details.	07 07
Q.2	(a) (b)	<ul> <li>Explain the lifecycle of Android Activity with diagram.</li> <li>Explain the Following Android Tools <ol> <li>DDMS 2. Android SDK and AVD Manager 3. Android Emulator</li> </ol> </li> </ul>	07 07
	<b>(b)</b>	<ol> <li>Write a short note on OHA.</li> <li>Android is hailed as "the first complete, open, and free mobile platform".</li> </ol>	04 03
Q.3	(a)	1. What is notification? How it is differ from Toast?	03
	(b)	2. Difference between view and view group List and explain 3 methods of Log class with parameters. How it is useful for debugging application explain with example. <b>OR</b>	04 07
Q.3	(a)	Which methods should be used to load 3 Bitmap resources and to start animation in case of Frame-By-Frame Animation? Which Method should be used to loop continuously for animation?	07
	<b>(b</b> )	List out various indicators which are supported by android. Explain any one with example.	07
Q.4	(a)	What are the in-built layout classes? List down important View attributes of all in-built layout classes with appropriate example.	07
	(b)	What is the use of AndroidMenifest.xml file? Give the purpose of following tags of AndroidMenifest.xml file. <ol> <li>(activity)</li> <li>(application)</li> <li>(uses-sdk)</li> <li>(intent-filter)</li> <li>(OR)</li> </ol>	07
Q.4	(a)	Which three classes are used to manage behavior of webpage? Explain with code.	07
	<b>(b)</b>	Explain Gallery view with code snippet. How it differ from Image View?	07
Q.5	<b>(a)</b>	Write line of code that must be inserted in Activity to read a fixed amount of text from a .txt file.	07
	(b)	How to create database, create table, insert a record and search a record operation using SQLiteDatabase in android application? Explain with small example. What is the default path for database in android file system?	07

Q.5	(a)	What steps are required for publishing an application?	07
	<b>(b</b> )	What is Content Provider? What are the Built-in Content Providers? Explain	07
		Call Log Content Provider with example.	
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