Seat No.: Enrolment No	
GUJARAT TECHNOLOGICAL UNIVERSITY	
M. E SEMESTER – III • EXAMINATION – WINTER 2012	
Subject code: 735301 Date: 30-12-20	12
Subject Name: Advanced Programming on Mobile Devices-II (Androi	d)
Time: 10.30 am – 01.00 pm Total Marks: '	70
Instructions:	
 Attempt question 1, which is compulsory and answer any four from the Make suitable assumptions wherever necessary. 	rest questions.
3. Figures to the right hand indicate the marks.	
Q. No. 1	
a. Using toast, print the sine/cosine of an angle which differs by 30 degrees on screen should start on click of the button.	en, printing [8 Marks]
b. Describe in detail the role of the DVM and how it works?	[6 Marks]
Q. No. 2	-1
a. Write the advantages of using Android on phones. How is the Android's security maintained?	/ being [7 Marks]
b. Create a gallery of pictures on screen; the pictures should be in png format.	[7 Marks]
Q. No. 3	
a. What is the significance of the Application framework in android? Describe theb. Draw the flow chart to explain the flow of the various events in android.	same. [6 Marks]
b. Draw the flow chart to explain the flow of the various events in android.	[o Marks]
Q. No. 4	
a. What is the role of the Runtime in Android architecture explain?	[6 Marks]
b. Write a program to reverse a string entered by user on screen and print the output	it on screen. [8 Marks]
	[O Warks]
Q. No. 5	
a. What is the role of layouts in the Android illustrate with a simple program any of	
layouts. b. Write a program to print the log10 of first fifty numbers on view.	[7 Marks] [7 Marks]
o. Write a program to print the logic of first fifty numbers on view.	[/ Warks]
Q. No. 6	
a. What are the states of process in android? List the states with one line of descrip	
state.b. Write a program to create a simple table in Sqlite3 and explain various steps inv	[7 Marks]
o. Write a program to create a simple table in squites and explain various steps inv	[7 Marks]
Q. No. 7	[C Montre]
a. What are the processes in Android and what is their life cycle?b. Define the following terms: Broadcastreceiever, Others in Android, Services and	[6 Marks]
5. Define the following terms. Droudedstreetever, Others in Amarola, pervices and	[8 Marks]
	-
Q. No. 8	and of the
a. Explain the various architectural artifacts of the android with description of the layer?	each of the [8 Marks]
b. Write a simple program to illustrate the Service and explain the various steps.	[6 Marks]
