Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VIII (NEW) EXAMINATION – WINTER 2018

Subject Code: 2180715   **Date: 29/11/2018**
Subject Name: Android Programming
Time: 02:30 PM TO 05:00 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)**	List out various layouts available in Android.	03
	(b)	What are the JVM and DVM? Explain DVM in details.	04
	(c)	Describe Scroll View & List View? Explain with suitable Program.	07
Q.2	**(a)**	Explain Android activity life cycle.	03
	(b)	Write the various layouts available in Android. Explain any one out of that.	04
	(c)	What is Intent? Explain Explicit vs. Implicit intents with Example.	07
		OR	
	(c)	Draw & Explain Android architecture.	07
Q.3	**(a)**	Explain Scroll View and List View.	03
	(b)	Explain use of radio button in Android App.	04
	(c)	Create the Application for Car Show with Car Details.	07
		OR	
Q.3	**(a)**	Explain use of Broadcast Receiver in android.	03
	(b)	What are the orientation modes of available in Android? Explain with Example.	04
	(c)	Write a Program for login page with database connectivity.	07
Q.4	**(a)**	Explain SQLite Database and why it is required.	03
	(b)	Describe Activity lifecycle with diagram.	04
	(c)	Make Application for student's registration of basic details like Name, Enrollment No, Branch, Address and Mobile Number.	07
		OR	
Q.4	**(a)**	What is use of Manifest file?	03
	(b)	Explain different input control.	04
	(c)	Write the code for create connection with SQLite Database.	07
Q.5	**(a)**	Explain how to Test Android Application.	03
	(b)	Benefits of Loaders. Why use them.	04
	(c)	Explain loadInBackground() & onStart/StopLoading() with Example.	07
		OR	
Q.5	**(a)**	What is the Use of Content Provider?	03
	(b)	How to implement widgets & how it is Use.	04
	(c)	Describe how to publish Android Application on Google Play.	07

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