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

Subject Code: 2180715   **Date: 07/05/2018**
Subject Name: Android Programming(Departmental Elective - III)
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)**	List out methods (states) of Android activity life cycle.	**03**
	(b)	List out various layouts available in Android. Explain anyone in detail.	**04**
	(c)	Write a code to send data from one activity to another activity using implicit intent.	**07**
Q.2	**(a)**	What is the significance of Android Manifest file?	**03**
	(b)	What are the differences between JVM and DVM?	**04**
	(c)	Explain Android architecture with proper diagram.	**07**
		OR	
	(c)	Explain the concept of AsyncTask with an example.	**07**
Q.3	**(a)**	Explain the use of RadioButton and RadioGroup with an example.	**03**
	(b)	How to use spinner in Android App? Explain with an example.	**04**
	(c)	Write a code to send e-mail from Android App using the concept of explicit intent.	**07**
		OR	
Q.3	**(a)**	What is material design in Android?	**03**
	(b)	What is the use of BroadcastReceiver? How to add it in Android App?	**04**
	(c)	What is ScrollView and ListView? Explain anyone with suitable example.	**07**
Q.4	**(a)**	How to use Navigation drawer in Android App?	**03**
	(b)	Write a code to add ProgressDialog in Android App.	**04**
	(c)	Write all necessary code to print all the files stored in DCIM folder of SD card.	**07**
		OR	
Q.4	**(a)**	Explain Content Providers in brief.	**03**
	(b)	Demonstrate the use of CheckBox in Android App.	**04**
	(c)	How to add notification in Android App? Explain with an example.	**07**
Q.5	**(a)**	Briefly explain AsyncTaskLoader.	**03**
	(b)	Write a code to use ToggleButton in Android App.	**04**
	(c)	What you mean by fragment in Android? Explain fragment with an example.	**07**
		OR	
Q.5	**(a)**	Write the significance of onCreate() and onUpgrade() methods of SQLiteOpenHealper class.	**03**
	(b)	Write the significance and syntax of update() and delete() of SQLiteDatabase class.	**04**
	(c)	Write a code to insert studentDetails (sID, SName, sEnrollmentNo) in SQLite database using Android App.	**07**

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