GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VII - EXAMINATION –SUMMER-2021

Subject Code: 4470611   **Date: 09-08-2021**
Subject Name: Mobile Programming
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)	Explain the following terms 1)Intent 2)Resource 3)Context 4)Dialog 5)Content Provider 6)AVD 7)Activity	07
(b)	What is Dalvik Virtual Machine? Explain.	07
Q.2(a)	Explain android architecture.	07
(b)	Explain life cycle of android activity.	07
	OR	
(b)	Explain android development tools.	07
Q.3(a)	Explain how SQLite database can be created in Android application using the Application Context. How Content Values object can be used to insert new data to table?	07
(b)	What is the use of Dialogs? Explain key methods required for managing the Dialog life cycle.	07
	OR	
(a)	What is view ? explain Web views and grid view with example.	07
(b)	What is the use of intent in android? Explain it with syntax.	07
Q.4(a)	Explain the use of SeekBar, RatingBar and Spinner with example.	07
(b)	How to create menus in android? explain with example.	07

<div align="center">OR</div>

(a)	Explain components of Android Application.	07
(b)	Explain the use of DownloadManager with example.	07
Q.5(a)	List out different types of layouts in android. Explain any two layouts.	07
(b)	Explain sending and Receiving SMS programmatically with example.	07

<div align="center">OR</div>

(a)	Explain reading and writing files to default directory with example.	07
(b)	Explain the use of AlarmManager with example	07