PRN:		Course Code :	CST409

Final Year **B. Tech** End Semester Examination Winter 2022

Mobile Application Development

Day and Date: friday, 16.12.22 Max Marks: **100**

Time : 10.30am -1.30pm Duration: **03** hrs

Instructions: All questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Attempt the following**			
a)	Make use of a diagram to explain Android architecture.	08	L3	CO2
b)	Summarize different Android versions emphasizing on their distinguishing characteristics.	08	L2	CO2
	OR			
b)	Outline Activity Lifecycle with diagram.	08	L2	CO2
Q.2	**Attempt the following**			
a)	Build a project directory structure of android application with reference to Android Studio.	08	L3	CO1
b)	Analyze the use of Android Manifest file in Android application development.	08	L4	CO1
	OR			
b)	Analyze the use of user permissions in Android.	08	L4	CO1
Q.3	**Attempt any two from the following**			
a)	Apply Linear Layout to show how UI components can be added in an android activity.	08	L3	CO3
b)	Analyze the significance of Frame layout in Android.	08	L4	CO3
c)	Make use of Explicit Intent to explain how to switch from one android activity to another.	08	L3	CO3
Q.4	**Attempt any two from the following**			
a)	Construct an activity using TextView, EditText and a Button. Make use of event click listener to retrieve the value of EditText on Button click and place it on a Toast.	08	L3	CO3

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	b)	Summarize generation and use of AlertDialog in Android.	08	L2	CO3
	c)	Make use of an ImageView to explain how to add an image in an Android activity.	08	L3	CO3
Q.5		**Attempt any Two of the following**			
	a)	Explain the concept of menu and different types of menus.	09	L3	CO3
	b)	Build an Android activity to place three items (e.g. Search, Upload, Share) on an Options menu.	09	L3	CO3
	c)	Identify the use of NotificationCompat.Builder class in generating notifications in an Android system.	09	L3	CO3
Q.6		**Attempt any Two of the following**			
	a)	Elaborate insert operation of SQLite database.	09	L6	CO4
	b)	Explain the process of publishing Android application on Playstore.	09	L5	CO4
	c)	Analyze the significance of SQLiteDatabase class for database operations.	09	L4	CO4

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