PRN:		Course Code :	CST2705

Final Year **B. Tech** End Semester Examination Winter 2023

Mobile Application Development

Day and Date: Saturday 02/12/2023 Max Marks: **100**

Time : 2.00 to 5.00 PM 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 Android Activity Lifecycle with diagram.	08	L2	CO2
	OR			
b)	Outline Fragments in Android with Example.	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 Software Development Kit (SDK) 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 example to explain the use of Implicit Intent and Explicit Intent in Android.	08	L3	CO3
Q.4	**Attempt any two from the following**			
a)	Construct an activity using 2 TextView, 2 EditText, 2 CheckBox and a Button. Make use of event click listener to retrieve the values of EditTexts and CheckBoxes on a Button click and place them 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 example to explain ImageView, ToggleButton and ImageButton.	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. Refresh, Explore, Share) on an Options menu.	09	L3	CO3
	c)	Identify the use of different Android classes in generating notifications in an Android system.	09	L3	CO3
Q.6		**Attempt any Two of the following**			
	a)	Elaborate insert and delete 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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