CBCS SCHEME

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BIS/BCS654C

Sixth Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026
Mobile Application Development

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	Explain the Android Architecture Stack Linux Kernel.	7	L2	CO1
	b.	Discuss the features of android.	7	L2	CO1
	c.	Summarize Android development tools.	6	L2	CO1
		OR			
Q.2	a.	Outline the Android Virtual Devices (AVD).	7	L2	CO1
	b.	How to configure android environment.	7	L2	CO1
	c.	Differentiate between JVM and DVM.	6	L2	CO1
		Module – 2			
Q.3	a.	Describe the directory structure of Android project.	8	L2	CO2
	b.	Explain the Linear and absolute layout with example code and view (design).	12	L2	CO2
		OR			
Q.4	a.	Explain Android UI and components of screen.	8	L2	CO2
	b.	Describe the Frame and Relative layout with example code and view (design).	12	L2	CO2
		Module – 3			
Q.5	a.	Illustrate the properties of image button and spinner.	8	L2	CO3
	b.	Write an Android application to illustrate the use of Edit Text.	12	L3	CO3
		OR			
Q.6	a.	Explain different types of buttons and its states.	4	L2	CO3
	b.	Explain button listener design pattern with neat diagram.	4	L2	CO3
	c.	Write an Android application to illustrate the use of Text view.	12	L3	CO3
		Module – 4			
Q.7	a.	Illustrate the activity life cycle of an Android application.	7	L2	CO4
	b.	How intent filters are used in building an Android application.	7	L2	CO4
	c.	Illustrate the Android service and Service life cycle.	6	L2	CO4
		OR			
Q.8	a.	Illustrate the Android system architecture and multimedia frame work.	7	L2	CO5
	b.	Explain the steps involved in creating and setting notifications. Also explain the various components used with notification.	7	L2	CO5
	c.	Write an application to demonstrate intent by creating 3 views.	6	L2	CO5
		Module – 5			
Q.9	a.	What is SQLite? What is the necessity of SQLite?	6	L2	CO5
	b.	List the steps to implement SQLite database.	6	L2	CO5
	c.	Write an application to illustrate the cursor loader.	8	L2	CO5
		OR			
Q.10	a.	Demonstrate the insertion of records in SQLite.	6	L2	CO5
	b.	What are transactions? Explain.	6	L2	CO5
	c.	Write an application to illustrate the delete and retrieve data from data base (SQLite).	8	L3	CO5

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