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BIS/BCS654C

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2025
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.	Define Android. What are the features of Android.	10	L1	CO1
	b.	Illustrate the concept of Dalvik virtual machine (DVM). How does it differ from the Java Virtual Machine (JVM).	10	L2	CO2
		OR			
Q.2	a.	Discuss what is Android Software Development Kit (SDK) and Android Virtual Device (AVD). Explain how to create an AVD in Android.	10	L2	CO2
	b.	Explain the architecture of android with a neat lableded diagram. Describe the role of each layer in the architecture.	10	L2	CO1
		Module – 2			
Q.3	a.	Discuss the android project directory structure and its main components.	10	L1	CO3
	b.	Describe the linear layout in android with an appropriate XML example.	10	L2	CO3
		OR			
Q.4	a.	Create an XML layout to demonstrate the use of table layout.	10	L4	CO3
	b.	Explain relative layout in Android. Describe its key properties with suitable examples.	10	L3	CO3
		Module – 3			
Q.5	a.	Discuss Text view and Button in android. List their properties and usage.	10	L1	CO3
	b.	What is list view in Android? Explain with an example.	10	L3	CO3
		OR			
Q.6	a.	What are checkbox and Radio button in Android? List all their properties.	10	L3	CO3
	b.	Illustrate Timer picker in android with a suitable example.	10	L4	CO3
		Module – 4			
Q.7	a.	Define an Activity. Discuss activity life cycle and illustrate it with an appropriate diagram.	10	L2	CO4
	b.	What is an Intent? Explain with an example.	10	L3	CO4
		OR			
Q.8	a.	What is a service in Android? Explain its life cycle with appropriate stages.	10	L2	CO4
	b.	Describe how to convert text to speech with a programming example.	10	L4	CO4
		Module – 5			
Q.9	a.	What is SQLite Database? Why SQLite is commonly used for local storage in Android?	10	L1	CO5
	b.	Explain the steps involved in creation and connection of the SQLite Database.	10	L3	CO5
		OR			
Q.10	a.	Describe how can we insert and delete records from the database.	10	L3	CO5
	b.	Discuss the steps involved in creating a location based android project to display Google Maps.	10	L4	CO5

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