CBCS SCHEME

Second Semester MCA Degree Examination, June/July 2023
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.	With a neat diagram explain GSM architecture.	10	L1	CO1
	b.	Explain system service architecture of mobile application.	10	L2	CO1
		OR			
Q.2	a.	What is protocol? Explain protocol architecture in mobile computing with a neat diagram.	10	L2	CO1
	b.	What is handover? Explain its different types.	10	L1	CO1
		Module – 2			
Q.3	a.	What is android? Explain its architecture with a neat diagram.	10	L1	CO2
	b.	Explain steps involved in installing android.	5	L1	CO2
	c.	Explain steps involved in creating android virtual device.	5	L1	CO2
		OR			
Q.4	a.	How you will create and execute first android project? Explain with program steps.	10	L2	CO2
	b.	Write a android program to print "Hello welcome" on emulator with a image in the background.	10	L3	CO2
		Module – 3			
Q.5	a.	What is activity? Explain the activity. Life cycle in android with a neat diagram.	10	L2	CO3
	b.	Explain content providers in android.	10	L2	CO3
		OR			
Q.6	a.	Explain table layout and its features.	5	L1	CO3
	b.	Write a program to illustrate different drawing graphics in android.	10	L2	CO3
	c.	How animation is created in Android? Explain.	5	L1	CO3
		Module – 4			
Q.7	a.	With an example for each, explain common views in Android.	10	L1	CO4
	b.	Explain different layouts in android.	10	L1	CO4
		OR			
Q.8	a.	How multimedia can be implemented in Android? Explain.	10	L2	CO4
	b.	Explain how to check internet connection in Android programmatically.	10	L3	CO4
		Module – 5			
Q.9	a.	Write a program to demonstrate GPS connection in Android.	10	L3	CO5
	b.	Explain the procedure of sending email in Android project.	10	L3	CO5
		OR			
Q.10	a.	Explain services in android.	10	L3	CO5
	b.	Explain procedure involved in publishing android application in Google play store.	10	L3	CO5

* * * * *