Code No.: IT702PC

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Supply) - April- 2024
MOBILE APPLICATION DEVELOPMENT
(IT)

[Time: 3 Hours]   [Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A   (20 Marks)

1. a)	What are the types of mobile applications?	[2M]
b)	What are the states of activity life cycle in Android?	[2M]
c)	Define Android User Interface.	[2M]
d)	Distinguish between fragment and activity.	[2M]
e)	Define intent filter.	[2M]
f)	What are Broadcast Receivers?	[2M]
g)	How to read data from files?	[2M]
h)	What is the use of shared preferences?	[2M]
i)	What is location based service in Android?	[2M]
j)	List out callback methods to get the current location.	[2M]

PART-B   (50 Marks)

2.	Write the features of Android and obtaining the requirement tools.	[10M]
	OR	
3.	Explain the android operating system and its architecture.	[10M]
4.	Create a form with text boxes and buttons and handle action events with buttons in Android.	[10M]
	OR	
5.	How to use spinners in android? Explain with an example.	[10M]
6.	Explain with example data passing between activities using intent.	[10M]
	OR	
7.	Write an Android program to create notification.	[10M]
8.	Explain in detail about the persisting data to files.	[10M]
	OR	
9.	What is SQLite database? Explain the process of connecting to a database using SQLite with an example database application.	[10M]
10.	Write the alarm program in android.	[10M]
	OR	
11.	Explain the steps to connect internet resource using download manger.	[10M]

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