Roll no.....



Mid Term (Odd) Semester Examination October 2024

	ame of the Course and semester: MCA 3 rd Semester ame of the Paper: Mobile Application Development
	per Code: TMC-302
Ti	mę: 1.5 hour Maximum Marks: 50
No	(i) Answer all the questions by choosing any one of the sub questions (ii) Each question carries 10 marks.
	1. (10 Marks) Give an overview of Android architecture and explain its various layers. CO 1 OR
b.	Describe the core components of Android: Activity, Service, Broadcast Receiver, and Content Provider. CO 1
Q	2. (10 Marks)
a.	Discuss the directory structure of an Android project. Explain the role of key files like AndroidManifest.xml, MainActivity.java, and activity_main.xml.CO1 OR
b.	What is an Activity in Android? Explain its states and lifecycle with a diagram. CO2
Q: a.	3. (10 Marks) What are Intents in Android? Discuss how they are used to link activities together.CO2 OR
b.	Discuss the difference between TextView and EditText views. How would you use them in an Android application? CO2
04	
Q4 a.	What is the importance of the Android Emulator in development? Explain how to create and manage and AVD (Android Virtual Device).CO1
c.	Compare the Table Layout and Frame Layout. Provide scenarios where each would be best used.
Q5.	
	Define Adapter in Android. How do Adapters facilitate the binding of data to UI components like ListView, Spinner, and GridView? CO2
b.	OR Compare and contrast JVM (Java Virtual Machine) and DVM (Delvik Virtual Machine). CO2