

Mid Term (Odd) Semester Examination October 2024

| | | Roll no |
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| Nan | me of the Course and semester: MCA 3 rd Semester me of the Paper: Mobile Application Development per Code: TMC-302 | |
| Tim | ne: 1.5 hour | Maximum Marks: 50 |
| | te: (i) Answer all the questions by choosing any one of the sub questions (ii) Each question carries 10 marks. | |
| Q1 a. | l. Give an overview of Android architecture and explain its various laye OR | (10 Marks) ers. CO 1 |
| b. | Describe the core components of Android: Activity, Service, Broadca CO 1 | st Receiver, and Content Provider. |
| Q2 a. b. | Discuss the directory structure of an Android project. Expl AndroidManifest.xml, MainActivity.java, and activity_main.xml. CO1 OR What is an Activity in Android? Explain its states and lifecycle with a | · |
| Q3 a. | 3. What are Intents in Android? Discuss how they are used to link activi OR | (10 Marks) ties together.CO2 |
| b. | Discuss the difference between TextView and EditText views. Android application? CO2 | How would you use them in an |
| Q4 a. | What is the importance of the Android Emulator in development? Ex AVD (Android Virtual Device).CO1 | (10 Marks) plain how to create and manage an |
| c. | OR Compare the Table Layout and Frame Layout. Provide scenarios CO2 | where each would be best used |
| Q5 a. | Define Adapter in Android. How do Adapters facilitate the bindin ListView, Spinner, and GridView? CO2 OR | (10 Marks) ng of data to UI components like |
| b. | Compare and contrast JVM (Java Virtual Machine) and DVM (Delvi | k Virtual Machine). CO2 |
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