

P131/CMP516/EE/20240120

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) What is Toast? Explain it with example. 5
 - b) Describe the concept of cursors and content values in SQLite in Android. 5
 - c) What is Spinner? Explain with example. 5
 - d) Explain Intent in Android. 5
 - e) Draw and explain GSM architecture. 5
2. Solve any **four** sub-questions.
 - a) Explain the usage of alert dialogs and button in Android. 5
 - b) Discuss the importance of file download in Android and provide examples of its usage. 5
 - c) What is handoff in mobile networks? Explain with an example. 5
 - d) Explain the different types of user interface screen elements in Android. 5
 - e) Discuss the importance of context in Android and provide examples of its usage. 5
3. Solve any **four** sub-questions.
 - a) Discuss the importance of adapters in Android and their usage. 5
 - b) Explain the different types of broadcast receivers in Android. 5
 - c) Explain Time and Date Picker. 5
 - d) Write a short note on Android SDK. 5
 - e) Explain the different types of layouts in Android. 5

4. Solve any **four** sub-questions.
- a) Describe the different types of storage methods in Android. 5
 - b) Discuss about image views to display pictures. 5
 - c) Discuss the importance of resource handling in Android and their usage. 5
 - d) Write a note on the following: 5
 - i) Accessing preferences
 - ii) Projections and filtering
 - e) How to Install Android Studio? Explain. 5

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