MOBILE APP DEVELOPMENT

Paper–CSE-404N/PE-CS-A408A/PE-IT-A408A

Time Allowed : 3 Hours]   [Maximum Marks : 75

Note : Attempt any **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

UNIT–I

1. (a) What are the key features of a mobile app? Discuss.

    (b) What is an emulator? Discuss the setting of emulator using Android Virtual Device Manager.

2. (a) What are the commonly used layouts in Android? Discuss the linear layout in detail.

    (b) What are the UI elements in Android? Discuss.

UNIT–II

3. What is an Activity? What are the different callbacks in activity? Describe.

4. What are the activity states? Write a note on activity life cycle.

UNIT–III

5. (a) What is SQLite? Discuss the creation of database in SQLite using suitable examples.

(b) What is a canvas in Android? How is it used? Illustrate.

6. What is animation API in Android? Discuss the layout animation.

UNIT–IV

7. (a) What are the challengers in mobile apps testing? Discuss.

(b) What is the difference between white-box and black-box testing? Discuss the design of test cases using white-box testing techniques for mobile apps.

8. (a) What is JUnit? Write a note on testing of android apps using JUnit.

(b) Discuss the tools available in the market to make mobile UI testing smoother and simpler.