END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY-JUNE, 2025

Paper Code: BCAT-318   **Subject: Mobile Application Development**

Time: 3 Hours   **Maximum Marks: 75**

Note: Attempt all questions as directed. Internal choice is indicated.

Q1. Attempt **any Five** of the following questions: **(5x5=25)**

   a) Recycler View vs List View
   b) Toast and Snackbar
   c) Android SDK and Android Studio
   d) Role of Gradle in Android Studio
   e) Mobile App Testing Techniques
   f) A sync Task
   g) Push Notifications in Android
   h) Google Fire base integration

Q2. What is SQLite? How is it integrated within an Android application? Provide a code example for creating and querying a database.   **(12.5)**

OR

Q3. Differentiate between Shared Preferences, Internal Storage, and External Storage in Android.   **(12.5)**

Q4. Describe the process of publishing an Android application on the Google Play Store. List the important steps and prerequisites.   **(12.5)**

OR

Q5. What is the importance of Gradle in Android development? How is it different from the Android Manifest.xml?   **(12.5)**

Q6. Discuss the role of Android Manifest.xml file in an Android project. What are the Essential tags used in it?   **(12.5)**

OR

Q7. What are the different types of layouts available in Android? Explain any three with example code.   **(12.5)**

Q8. Write the lifecycle of an Android Activity. Illustrate with a suitable diagram and code snippet.   **(12.5)**

OR

Q9. What are the different components of an Android application? Explain each with suitable examples. Also differentiate between Implicit Intent and Explicit Intent in Android.   **(12.5)**

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