

# 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) RecyclerView 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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