

**5 MJ 50115 A**

FOUR YEAR B.Com. (Honours) (CA) (CBCS) DEGREE EXAMINATION,  
NOVEMBER/DECEMBER 2025

FIFTH SEMESTER

B.Com (Computer Application) – Major

COURSE 15 : MOBILE APPLICATION DEVELOPMENT USING ANDROID

(w.e.f. 2023 – 2024 Regulations)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

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SECTION A — (5 × 4 = 20 marks)

Answer any FIVE of the following.

1. What is the Activity Life Cycle?
2. What are the new features of the latest Android version?
3. What is meant by the Anatomy of an Android Application?
4. Define Application Context and state its importance.
5. What are the main User Interface (UI) screen elements in Android?
6. Write short notes on Layouts used in Android.
7. What is meant by testing an Android application?
8. Write short notes on Android Preferences.
9. Write short notes on Android Networking APIs.
10. What are the uses of Google Maps API in Android applications?

SECTION B — (5 × 10 = 50 marks)

Answer any ONE question from each unit.

11. Write the steps for installing Android Studio and explain how to build your first Android Application.  
Or
12. Explain the structure and anatomy of an Android Application.
13. Define and explain Activities, Services, and Intents. How are they used to link different parts of an application?  
Or
14. Discuss the role and structure of the Android Manifest File. Explain common settings and permissions declared in it.

15. Explain the process of designing User Interfaces with Layouts in Android. Discuss different types of layouts with examples.

Or

16. Explain the role of animation and drawing in Android UI design. How can animations enhance user experience?
17. Explain the process of testing an Android application. Describe different testing methods and tools available.

Or

18. Discuss in detail the steps involved in publishing an Android application on the Google Play Store.
19. Explain how data is stored and managed in Android using internal and external storage with suitable examples.

Or

20. What is SQLite? Explain the process of creating, inserting, retrieving, updating, and deleting data using SQLite in Android.
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