

**BCA DEGREE END SEMESTER EXAMINATION - MARCH 2026****UGP(HONS.) SEMESTER - IV: CORE COURSE****COURSE: – 24UBCADCC204 – MOBILE APPLICATION DEVELOPMENT***(For Regular 2024 Admission)*

Time: 1.5 Hours

Max. Marks: 50

**PART - A****Answer any FIVE Questions.**

1. What is findViewById()? (U, CO1)
2. What is a Service? (U, CO1)
3. Define explicit intent. (R, CO2)
4. What is File I/O? (R, CO2)
5. What is SQLite? (R, CO3)
6. What is URI in Content Provider? (U, CO3)
7. What is an event registration? (U, CO4)

**(2 x 5 = 10)****PART – B****Answer any FOUR questions.**

8. Explain history and evolution of Android. (U, CO1)
9. Discuss managing state and configuration changes. (An, CO2)
10. Define View and Viewgroups with example XML root tag and atleast three attributes. (A, CO3)
11. Describe implementing a custom Content Provider. (A, CO3)
12. Explain how audio/video playback is handled. (A, CO4)
13. Describe steps to publish an app in Play Store. (U, CO4)

**(5 x 4 = 20)**

## PART - C

Answer any TWO Questions.

14. Explain Android project architecture and importance of manifest file with explanation of tags in a manifest file using an example. (An, CO1)

15. Describe fragment lifecycle and interaction using code snippets. (A, CO2)

16. Explain SQLite database with CRUD with an example usage scenario. (A, CO3)

**(10 x 2 = 20)**

### OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Marks
CO1	Explain the principles of UI design and layouts in Android	U	1,2,8,14	19
CO2	Explain the lifecycle methods of an Android Activity and Fragments	U	3,4,9,15	19
CO3	Apply various data storage techniques to store application data locally	A	5,6,10,11,16	24
CO4	Create Android apps with various features	A	7,12,13	12

**Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;**