

Name:			
Enrolment No:			
UPES End Semester Examination, December 2025 Course: Mobile Application Development Program: BCA-CSF, AIML, DS Course Code: CSMC3001 Semester: V Time : 03 hrs. Max. Marks: 100			
Instructions: 1. Attempt all the questions. 2. Provide the code wherever it is mentioned.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Discuss the purpose of a layout in Android?	4	CO1
Q 2	Differentiate between a Toast and AlertDialog Box. Provide example.	4	CO3
Q 3	Define a theme in Android.	4	CO3
Q 4	Discuss the primary use of SharedPreferences in Android?	4	CO4
Q 5	Define an Activity in Android?	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6	Describe the complete lifecycle of an Android activity and explain how it helps developers manage user interactions and system resource allocation.	10	CO1
Q 7	Explain the working of explicit and implicit intents, and provide the required code example.	10	CO2
Q 8	Explain the process of creating and applying styles and themes in Android. Provide the required code.	10	CO3
Q 9	Describe the use of Spinner in Android for dropdown selection with a complete example. Provide the required code. OR Explain how to implement audio playback using MediaPlayer, including loading audio files, starting, pausing, and releasing resources properly. Provide the required code.	10	CO4
SECTION-C (2Qx20M=40 Marks)			
Q 10	Describe the complete process of using SQLite in mobile app development. Explain the role of SQLiteOpenHelper, onCreate(),	20	CO4

	onUpgrade(), SQLiteDatabase class, and CRUD operations with proper flow. Provide the required code.		
Q 11	What is the difference between Options Menu, Context Menu, and Popup Menu? Write a program that creates an Options Menu with "Home", "Settings", and "Logout". Provide the required code OR Write an Android program that shows a Context Menu on a ListView. On long press of an item, options "Edit" and "Delete" should appear. Provide the required code.	20	CO3