

INDIRA UNIVERSITY, PUNE

SCHOOL OF INFORMATION TECHNOLOGY- MSC CS

Special Term End Examination (2025 Pattern) May – 2026- Semester – II

Course Name: Mobile Technologies
Course Code: 25PSC201T

Max. Marks: 50
Time: 2 Hr. 30 Minutes

Instructions

- Neat diagrams must be drawn wherever necessary.
- All questions are compulsory

Q1.	Attempt any 5 out of 7. a. Define the term Mobility and Portability b. What is Activity? c. What is Thread in Android? d. Define Content Provider in Android? e. What is intent in Android. f. Write any two applications of iOS. g. What is Swift?	(10 Marks)	CO1
Q2.	Attempt any 4 out of 6. a. Explain Android AsyncTasks and Thread b. Write a brief note on JSON parsing in Android. c. Discuss Relative Layout in Android. d. Write Java Android program to calculate Sum of given two numbers and display the result on Button Click. e. Explain Broadcast Receivers in Android. f. Describe Android Service Lifecycle in detail.	(20 Marks)	CO2
Q3	Attempt any 2 out of 3. a. Write a note on Swift Loops with example. b. Explain Adapters used in Android with Example c. List SQLite Cursor class Methods with example code.	(10 Marks)	CO2
Q.4	Compulsory Question. a. Design and explain an Android application that includes: • GUI with Spinner • Event handling on CheckBox • SQLite CRUD Operations • Display result using EditText • GUI with DatePicker	(10 Marks)	CO3
