

JK Lakshmipat University Jaipur

INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination, December 2023

B.Tech(CSE), Semester-V

Roll No.....

Course Code: CS1205

Time: 2 hours

Max. Marks: 30

Course Name: Mobile Application Development

Instructions to students:

1. Do not write anything other than your roll number on question paper.
2. Assume suitable data wherever required and mention it clearly.

Q 1	A. State the roles of an Android developer in relation to Version control. B. How do you destructure a lambda function in Kotlin. Show with a clear example. C. How do you take input in Kotlin with and without using scanner class.	02 02 02 CO 1 CO 3 CO 3
Q 2	A. Using separate programs in Kotlin implement the following array functions explaining its utility. i) reduce (). ii) filter (). iii) shuffle (). B. How do you declare and initialize a 2D array in Kotlin with and without using array constructor. Show with examples.	03 03 CO 3 CO 3
Q3	A. How do you make a class inheritable in kotlin? Show with an example B. "There is a special case of using only secondary constructor but no primary constructor" -Justify for application in Kotlin. C. How is default implementation of interface applied in Kotlin? Show with an example.	02 02 02 CO 3 CO 3 CO 2

Q4	A. Name the static method being used to create a toast instance. B. Differentiate among the following launch modes for activities: i) singleTop ii) singleTask iii) singleInstance	01 05 CO 4 CO 6
Q5	A. State the differences between linear and relative layout for UI implementation in Android. B. How do you use direct SQL to implement following function using SQLite database to develop Android applications. i) Insert data in a table. ii) Update data in a table.	03 03 CO 5 CO 5