

JK Lakshmipat University Jaipur
INSTITUTE OF ENGINEERING AND TECHNOLOGY
End Term Examination, December 2022
B.Tech, 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. What is an activity in android? B. Name the virtual machine used by the Android operating system. C. All layout classes are the subclasses of which class? D. What is manifest XML in android? E. Choose the option- which is contained in the .src folder 1. Manifest 2. Java Source Code 3. XML 4. All of them F. Name the states in the service lifecycle.	01 01 01 01 01 01 CO 1 CO 2 CO 3 CO 5 CO 6

Q 2	A. What is wrong with the following code? <pre>class Student(var name:String){ init(){ println(" Student name is \$name") } constructor(sectionName:String, var id: Int) this(sectionName){ } }</pre> B. What is Data class in Kotlin? What are the requirements of a Data class? C. How can the 'when' clause be used in Kotlin for type matching? - Show with an example	02 02 02 CO 1 CO 3
Q3	A. Can you use IntArray and an Array<Int> in Kotlin interchangeably? B. What is Elvis operator in Kotlin? Use a code segment to display its application C. Why Companion Objects are used in Kotlin?	02 02 02 CO 3
Q4	A. "Implicit Intent doesn't specify which Activity it is going to start" – Justify. B. if there is an activity in current app that can be used by other apps – how can the instance of the current activity be shared – explain clearly with a diagram.	03 03 CO 2 CO 3
Q.5	A. Where do you use Relative Layout in preference to Linear one? What are the properties to be set to arrange the location of UI widget relative to a given one B. What is adapter class and how is it applied in RecyclerView?	03 03 CO 3 CO 4 CO 6