

JK Lakshmipat University Jaipur
INSTITUTE OF ENGINEERING AND TECHNOLOGY

End Term Examination, December 2022

BCA, Semester-III

Roll No.....

Course Code : CS1123

Time: 2 hours

Max. Marks: 30

Course Name: Android 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		01
	A. Android is based on which language?	01
	B. What is the full form of APK?	01
	C. Using what techniques developers can test the application, during development of an android application?	01
	D. What is the first callback method that is invoked by the system during an activity life-cycle?	01
	E. Which is the topmost layer of android architecture?	01
	F. What is contained in manifest.xml?	CO 1
		CO2
		CO3
		CO 6
Q 2	A. How do you inherit a class from a parent class in Kotlin? Show with example code	02
	B. How do you define a primary constructor for a class in Kotlin without a function body and pass parameters for initialization?	02
	C. "We can call Java methods in Kotlin with functional APIs with certain limitations" – Justify with example	02
		CO 2
		CO3

Q3	A. What is an interface-oriented programming and how is it implemented in Kotlin? B. How is default function implementation for interfaces is used in Kotlin?- Show with an example.	03
		03
		CO 2
		CO 3
Q4	A. Why is activity class used in Android? State the name of the method used for loading a layout to the activity. B. How do you destroy the activity? State the two techniques.	CO 4
		03
		03
		CO 2
Q.5	A. What is Back Stack? How is it used to manage multiple activities – Show with examples. B. What is Relative Layout? C. State the properties (for example -android: layout_...) used to position multiple widgets relative to any specific one in relative layout.	CO 3
		02
		02
		02
		CO 3
		CO 5
		CO 6