

Term Evaluation (Even) Semester Examination March 2025

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Name of the Course: B.Tech. CSE Semester: VIII Name of the Paper: Mobile Applications Development	-
Paper Code: (TCS-822) Time: 1.5 hour	Maximum Marks: 50
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Note: (i) Answer all the questions by choosing any one of the sub- (ii) Each question carries 10 marks.	a Cily
Q1. a. Discuss the key features of Android that differentiate it from OR	(10 Marks) n other mobile operating systems.
b. How does Android manage Activity transitions between distonResume(), onPause(), onStop(), and onDestroy()?	ferent states such as onCreate(), onStart(),
Q2.	(10 Marks)
a. Describe the role of each layer in the Android architecture, Android Runtime (ART), Application Framework, and App	olications.
b. How do you pass data between activities using Intents? Exreceiving data.	plain with an example of sending and
Q3.	(10 Marks)
a. How does the Activity component function in an Android example. OR	
 Explain the concept of Scroll View. How does it help in di size? Provide an example implementation. 	splaying content that exceeds the screen
Q4.a. Compare and contrast real device testing and emulator test advantages and disadvantages of each?	(10 Marks) ting in Android development. What are the
OR b. What is a View in Android? Explain the hierarchy of Viev	vs in Android applications.
05	(10 Marks)
Q5.a. What is the significance of MainActivity java in an Andro point of an application?	
b. What are Event Listeners in Android? Discuss the different interactions.	nt types of listeners available for handling user