Guru Nanak Dev Engineering College, Ludhiana				
Department of Information Technology				
Program	B.Tech.(IT)	**Semester**		7th
Subject Code	PEIT-116	**Subject Title**		Mobile Application Development
Mid Semester Test (MST) No.	2	**Course Coordinator(s)**		Ranjodh Kaur
Max. Marks	24	**Time Duration**		1 hour 30 minutes
Date of MST	May 2022	**Roll Number**		

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
Q1	Define DDMS and its use.	CO7, L2	2
Q2	Write a code to start or stop a service.	CO6, L2	2
Q3	How do you troubleshoot the android application which is crashing frequently? Describe the spawning process and thread caveats in Android services.	CO6,CO5, L2	4
Q4	Discuss the roles of Java Errors, Debugger, Logcat and ADB in Eclipse Java Editor.	CO7, L2	4
Q5	a) Discuss the process Life cycle. b) Generalize the symbols V, D, I, W, and E used in the toolbar.	CO6,CO7, L2	4
Q6	a) How SQLite is managed and paceked with Android App? Describe the operations used to Create and delete the data. b) Write a code to retrieve the data from the database.	CO5, L2, L6	8

Course Outcomes (CO) *Students will be able to*

1	Understanding the basic mobile platforms and mobile development environments
2	Make use of Android SDK to setup Android Development Environment
3	Apply conceptual knowledge of User Interface Designing to design UI in Android SDK
4	Develop Interactivity based Android Applications using Fragment, Intents and Event Processing
5	Develop Database oriented Android Applications using Persistent Data Storage
6	Improve the Android Application Performance using Android Services and Threads
7	Analyze and Solve the bugs using Android Security and Debugging features

RBT Classification	**Lower Order Thinking Levels (LOTS)**			**Higher Order Thinking Levels (HOTS)**		
RBT Level Number	L1	L2	L3	L4	L5	L6
RBT Level Name	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating