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	Nov 2021	**Roll Number**	

Note: Attempt all questions

Q. No.	Question	COs, RBT level	Marks
Q1	If you want to play a song and want to get information of the current song being played. **Write the method to be called that provide information.**	CO4, L2	**2**

Q2	a) Define the following code.
	 public class My Application extends ContentProvider
	
	 {
	
	 }
	
	 b. Write the use of SQLiteOpenHelper class?
		CO4, CO5, L5, L2	**2**

Q3	List the needs of fragments. Discuss the fragment life cycle.	CO4, L2	4
Q4	a) List the tools used for debugging on the Android platform. b) How does the activity respond when the user rotates the phone screen?	CO7, L2	4
Q5	a) Describe the spawning process and thread caveats in Android services. b) How to support different screen sizes?	CO6,CO7, L3	4
Q6	a) Create a multi-threaded Android app without using the Thread class. Discuss. b) Create a database in SQLite? Perform Insertion, Deletion, and updation operations.	CO5, CO6, 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