

Program: **Information Technology**

Curriculum Scheme: Rev2016

Examination: BE Semester VII

Course Code: **ITDLO7032** and Course Name: **Mobile Application Development**

Time: 2 hour 30 minutes

Max. Marks: 80

Q1.	Choose the correct option for the following questions. All the questions are compulsory and carry equal marks (20 Marks)
1.	Which is topmost layer of Android Architecture?
Option A:	Library
Option B:	Linux Kernel
Option C:	Android Runtime
Option D:	Application
2.	What part of the Android platform is open source?
Option A:	low-level Linux modules
Option B:	native libraries
Option C:	entire stack is an open source
Option D:	application frame work
3.	Android is an operating system and is a stack of software components which is divided into how many Layers?
Option A:	2
Option B:	3
Option C:	4
Option D:	5
4.	When an activity is no longer visible which callback method is called
Option A:	onDestroy()
Option B:	onRestart()
Option C:	onStop()
Option D:	onVisible()
5.	How can one find a Fragment in Android
Option A:	getContext.findFragmentByID()
Option B:	FragmentManager.findFragmentByID()
Option C:	findFragmentByID()
Option D:	findByID()
6.	Which layout depends on position of each element in terms of its parent and the other Views.
Option A:	Linear Layout
Option B:	Frame Layout

Option C:	Table Layout
Option D:	Relative Layout
7.	What is the use of Adapters?
Option A:	To act as a Custom Control
Option B:	Bind data to View Groups
Option C:	To resize the UI
Option D:	To create new Views
8.	Scenario when Activity gets Destroyed
Option A:	User Presses home button
Option B:	User Presses Back Button
Option C:	User Clicks Button to Open Another Activity
Option D:	User does not interact with Activity for too long
9.	If you want to navigate from one activity to another then android provides
Option A:	Object
Option B:	startActivity
Option C:	Intent
Option D:	endActivity
10.	Which of the following Native android action opens the Brouwer to perform a web search based on the query supplied using the searchManager.QUERY Key
Option A:	ACTION_CALL
Option B:	ACTION_SEARCH
Option C:	ACTION_WEB_SEARCH
Option D:	ACTION_SEARCH_LONG_PRESS

Q2	Solve any Two Questions out of Three	10 marks each
A	What is the use of android libraries and list various libraries used in android?	
B	What is the role of activity in android? Discuss the life cycle of Activity in android.	
C	What is Intent in android? Differentiate between explicit and implicit intent.	

Q3	Solve any Two Questions out of Three	10 marks each
A	Discuss how SQLite is different than other database approaches in android. Write a code in SQLite to fetch data from any table and display on screen using a cursor. (Assume table is already crated with sample records in it)	
B	Discuss what type of App we can build using location API in android. Also, explain how to get the current location of the User in Android Apps.	
C	What are the different methods for deploying APK files?	

Q4	Solve any Two Questions out of Three	10 marks each
A	List different Notification techniques supported by the Android Operating System. Explain any one of them in detail.	
B	Explain the button click event listener and callback method with an example	
C	Create an app which take two values using EditText and display the addition of two number using Toast on button click. Write Java Code only.	