University of Mumbai

Program: **Department of Information Technology**

Curriculum Scheme: Rev 2016

Examination: BE Semester: VII

Course Code: ITDLO7032 and Course Name: Mobile Application Development

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Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	What is an activity in Android?
Option A:	Performs the actions on the screen
Option B:	Manage the Application content
Option C:	Screen UI
Option D:	Information about an application
2.	What runs in the background and doesn't have any UI components?
Option A:	Intents
Option B:	Content Providers
Option C:	Services
Option D:	Applications
3.	If you want share the data across the all applications, you should go for?
Option A:	Shared Preferences
Option B:	Content Providers
Option C:	Internal Storage
Option D:	Boardcast Receiver
4.	In android studio, the tab in which error is shown is called as
Option A:	logcat
Option B:	memory
Option C:	adb logs
Option D:	cpu
5.	What controls what users see in the visible area of a map in your app?
Option A:	The window
Option B:	The lens
Option C:	The camera
Option D:	The viewfinder
6.	Why should you keep your API key secure?
Option A:	You can only get one key.
Option B:	Others can use it to access your app
Option C:	You will get billed for API usage if others use your API key in their code.
Option D:	You will need to create your app again from scratch if somebody steals it.
7.	Which element is used to display Google map in your UI.
Option A:	View

Option B:	MapView
Option C:	Map
Option D:	Adapter
8.	What is geocoding?
Option A:	Geocoding is the act of converting an address into its coordinates (latitude and longitude).
Option B:	Geocoding converts a pair of location coordinates into an address.
Option C:	Geocoding means geographical coding.
Option D:	Geocoding is the act of converting coordinates into its address.
9.	What is splash screen in android?
Option A:	Initial activity of an application
Option B:	Initial service of an application
Option C:	Initial method of an application
Option D:	Initial screen of an application
10.	What is a thread in android?
Option A:	Same as services
Option B:	Background activity
Option C:	Independent dis-patchable unit
Option D:	Broadcast Receiver

Please use either of the 3 option given below while setting up the subjective/descriptive questions

Option 1

Q2.	**Solve any Four out of Six**	**5 marks each**
A	*Discuss Android Architecture with all the layers.*	
B	*What is content Provider in Android? Explain in detail.*	
C	*Explain how to get the current location of the user in Android App.*	
D	*What is the role of Activity in Android? Discuss the life cycle of Activity.*	
E	*What is Intent in Android? Differentiate between implicit and explicit intent.*	
F	*What are the steps required to publish a mobile application?*	

Option 2

Q3.	**Solve any Two Questions out of Three**	**10 marks each**
A	*Explain the Camera API in Android with suitable examples.*	
B	*List various data storage options. What is SQLite database? Write in brief and explain the code to create a database of your choice in SQLite. (Write Java code related to creating database only)*	
C	*How view and viewgroup are used for developing android applications?*	

Option 3

Q4.	***Please delete the instruction shown in front of every sub question***

A	Solve any Two	5 marks each
i.	*Explain security issues in Mobile Application Development.*	
ii.	*Write short note on Location Based Services.*	
iii.	*Write short note on Android Download Manager.*	
B	Solve any One	10 marks each
i.	*Explain various android features. Why android is popular mobile OS discuss with reason.*	
ii.	*Explain various layouts in Android. Demonstrate any layout with suitable example.*	