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MCA DEGREE THIRD SEMESTER EXAMINATION, JANUARY 2022
20-382-0332 ANDROID APPLICATION DEVELOPMENT
(Regular)

Time : 3 Hours

Maximum Marks:50

(Answer ANY FIVE questions)
 Each question carries EQUAL Marks.

No	QUESTIONS	MARKS	BL	PI
1.	(a) Illustrate how to add an activity in an existing project. Write code to navigate between the two activities.	4	L4	2.6.4
	(b) Describe Activity Life Cycle with a neat diagram. Explain Activity Life Cycle.	6	L2	1.4.1
2.	(a) Toast class is a handy way to show users alerts, it is not persistent. Explain a more persistent when compared with toast handle the situation?	3	L4	4.6.1
	(b) Create a simple registration form in Android and write the XML file using relative layout.	7	L4	1.4.1
3.	(a) What is content provider? Explain it with a suitable program.	4	L4	1.4.1
	(b) Write the java program and manifest file to store employee details write code to empid, empname, empdesig, empbranch, empsalary and retrieve employee information using empid in SQLite databases.	6	L4	4.6.1
4.	(a) Name two ways in which you can send SMS messages and write permissions in Android Manifest.xml file for sending and receiving SMS messages.	4	L4	1.4.1
	(b) How location services are implemented in android? Explain the methods to get location information regarding the location.	6	L2	1.4.1
5.	(a) Differentiate between API and Web services.	2	L2	1.6.1
	(b) Explain the tools in android for service notification.	8	L3	4.6.1
6.	(a) Analyze how one fragment in android can access the views contained in another fragment.	3	L4	1.4.1
	(b) Write a program to locate user's current location. (Write ONLY .java and manifest file)	7	L3	4.6.1
7.	Differentiate Shared Preferences from Saved Instance State. Explain shared preference in detail with example.	10	L2	1.6.1
