Reg. No.												

Question Paper Code	12276

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2023

Sixth Semester

Information Technology

20ITEL606 - MOBILE APPLICATION DEVELOPMENT WITH LABORATORY

(Regulations 2020)

Duration: 3 Hours Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

		Marks, K-Level,CO
1.	Summarize the uses of Mobility Landscape.	*2,K1,CO1*
2.	State the different tools needed for Setting up the mobile app development environment along with an emulator.	*2,K1,CO1*
3.	Define an Activity.	*2,K1,CO2*
4.	Discover an example for UI, what are the rules of UI?	*2,K2,CO2*
5.	Classify database package in mobile database.	*2,K1,CO3*
6.	Define receive message in Android with an example.	*2,K1,CO3*
7.	How to add Fade and Shrink Animation in recycler view in Android?	*2,K2,CO4*
8.	Classify the difference between tween and animation.	*2,K2,CO4*
9.	How intent service is made from service?	*2,K2,CO5*
10.	Why is versioning needed?	*2,K1,CO5*

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11.	a)	Explain the architecture and working of android system.	*13,K1,CO1*
		OR	
	b)	Brief about Calling Built-In applications using Intents on creating first android application.	*13,K2,CO1*
12.	a)	Illustrate the Activity Life cycle with a neat flowchart and summarize the same.	*13,K2,CO2*
		OR	
	b)	Clarify and calibrate the different layout types and event listeners using an android application.	*13,K2,CO2*
13.	a)	Develop an application to store student details like roll no, name,	*13,K3,CO3*

branch, marks, percentage and retrieve student information using roll no. in SQLite databases.

OR

b) Calibrate and implement the Android Telephony. SMS API read/write/delete all SMS records not just Sent and Inbox. *13,K3,CO3*

14. a) Interpret and illustrate the Accelerometer Sensor in Android Studio. *13,K2,CO4*

OR

b) Infer and interpret about Data Picker and Time Picker class using an android app. *13,K3,CO4*

15. a) (i) Briefly discuss about deploying APK Files. *6,K2,CO5*

(ii) Discuss about preparing for publishing and executing asynchronous tasks on separate threads. *7,K2,CO5*

OR

b) Illustrate the execution of Long Running Background Tasks in Android Apps without an Interface (Using Services). *13,K3,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Design and implement an Application using Multi-threading. *15,K3,CO6*

OR

b) Discuss and demonstrate with program to locate user's current location (write both .java and manifest file). *15,K3,CO6*