VARDHAMAN COLLEGE OF ENGINEERING
(AUTONOMOUS)
III/IV B. Tech I Semester Regular Examinations, November - 2021
(Regulations: R19)

MOBILE APPLICATION DEVELOPMENT
MODEL PAPER
(INFORMATION TECHNOLOGY & COMPUTER SCIENCE AND ENGINEERING)

Date: November, 2021   Time: 3 hours   Max Marks: 75

Answer All Questions

Q. No.			BLOOM'S LEVEL	COURSE OUTCOMES	MARKS
1.	a)	State the any five versions of android operating system with version names and API level.	L2	CO1	*2M*
	b)	What is fragment in android and state uses of fragment	L3	CO2	*2M*
	c)	Demonstrate the usage of ListView component with its XML code	L3	CO3	*2M*
	d)	Demonstrate the usage of ImageView component with its XML code	L3	CO4	*2M*
	e)	Write about shared preferences in android	L3	CO5	*2M*
	f)	List the features of iOS?	L2	CO1	*3M*
	g)	Explain layout attributes?	L3	CO2	*3M*
	h)	Demonstrate the usage of analog clock component with its XML code	L3	CO3	*3M*
	i)	Give the code for taking pictures using camera in android.	L3	CO4	*3M*
	j)	Write about external storage in android.	L3	CO5	*3M*

2.	a)	With neat sketch, explain the architecture and different components of Android operating system.	L2	CO1	*5M*
	b)	Differentiate android with iOS.	L2	CO1	*5M*
		(OR)			
	c)	With neat sketch, explain the architecture iOS operating system.	L2	CO1	*5M*
	d)	List and explain the features of XCODE IDE	L2	CO1	*5M*

3.	a)	With neat Sketch explain fragment lifecycle?	L3	CO2	*5M*
	b)	Design an android application for displaying message "Hello… Welcome to the world of Android" and write its corresponding activity and layout?	L3	CO2	*5M*
		(OR)			
	c)	Explain briefly fragments in Android. Give examples of activities with fragments?	L3	CO2	*5M*
	d	With Sample XML code explain the table, relative layout?	L3	CO2	*5M*

4.	a)	Create an android app to display a Progress bar?	L3	CO3	*5M*
	b)	Explain the toggle button with Java code?	L3	CO3	*5M*
		(OR)			

	c)	Design an android application to read two strings by using two EditText fields along with a button. On clicking a button, the two strings entered should be concatenated and displayed as output. Write Activity java file and draw the layout.	L3	CO3	*5M*
	d)	Explain the spinner widget with Java code?	L3	CO3	*5M*

5.	a)	Give a sample code to create simple media player application in android?	L3	CO4	*5M*
	b)	Discuss about Context Menu with an example?	L3	CO4	*5M*
		(OR)			
	c)	Design an application with options menu having General Settings, Contact Settings, Display Settings and Phone Settings and on selection should display toast containing its name?	L3	CO4	*5M*
	d)	Design an application to demonstrate sending SMS. Write Activity java file?	L3	CO4	*5M*

6.	a)	State the different storage options available in android applications.	L3	CO5	*5M*
	b)	Demonstrate step by step procedure to debug an application on to USB connected android device.	L3	CO5	*5M*
		(OR)			
	c)	Write an android database program to work with student details like rollno, name,marks. Perform add, update, view operations	L3	CO5	*5M*
	d)	Demonstrate Update and Delete operations in SQLite with a sample program	L3	CO5	*5M*