P P SAVANI UNIVERSITY

Fourth Semester of Diploma Examination
April 2024
IDIT2040 MOBILE APPLICATION DEVELOPMENT

25.04.2024, Thursday   Time: 09:00 a.m. To 11:30 a.m.   Maximum Marks: 60

Instructions:
1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION – I

			CO	BTL	PO
Q - 1	MCQ/Short Question/Fill in the Blanks (Any Five)	[05]			
(i)	What is the function of the android SDK?		2	1	2
(ii)	What is the full form of AVD?		2	1	2
(iii)	Define the given android terminology – activity.		2	1	2
(iv)	What is the use of manifest file in android?		2	1	2
(v)	What is difference between view and viewgroup?		2	1	2
(vi)	How to use tab layout in Android?		2	1	2
(vii)	Write difference between emulator and simulators.		2	1	2
Q - 2 (a)	What is Open Handset Alliance?	[05]	2	2	1
Q - 2 (b)	Discuss various features provided by Android.	[05]	2	2	1

OR

			CO	BTL	PO
Q - 2 (a)	How Does Android App Work? Describe the entire process in steps.	[05]	2	2	3
Q - 2 (b)	Explain key stages of Android activity lifecycle with neat sketch.	[05]	2	2	3
Q - 3 (a)	What is the use seekbar in Android? Discuss various methods associated with seekbar.	[05]	2	2	2
Q - 3 (b)	How do we use linear layout in android application? Explain with code.	[05]	2	2	2

OR

			CO	BTL	PO
Q - 3 (a)	i) What is the use of android view class? Enlist commonly used views in Android. What is the adapter in android?	[05]	4	2	3
Q - 3 (b)	Write a note on Data-Driven containers in Android.	[05]	4	2	3
Q - 4	Attempt any one.	[05]			
(i)	Write a code to demonstrate the use of DatePicker in Android studio.		4	3	3
(ii)	Write a code to demonstrate the use of Table layout in android.		4	3	2

SECTION – II

			CO	BTL	PO
Q - 1	MCQ/Short Question/Fill in the Blanks (Any Five)	[05]			
(i)	What is a Canvas in Android?		2	1	2
(ii)	What are Application Preferences in Android?		2	1	2
(iii)	What is the Telephony API in Android?		2	1	2
(iv)	How can you work with Shapes in Android?		2	1	2

			CO	BTL	
(v)	What is SQLite Database in Android?		2	1	2
(vi)	How can you use Android Google Maps in your application?		2	1	2
(vii)	What are the key features of the Telephony API in Android?		2	1	2
Q - 2 (a)	Explain the concept of Canvas and Paint in Android and their usage.	[05]	3	2	3
Q - 2 (b)	How do you create and work with private preferences in Android?	[05]	3	3	3

OR

Q - 2 (a)	Explain the different shapes available in Android's Canvas and how to draw them.	[05]	3	3	3
Q - 2 (b)	Explain the process of closing and deleting an SQLite database in Android	[05]	3	3	2
Q - 3 (a)	Describe the Android Location APIs and their functionality.	[05]	3	2	3
Q - 3 (b)	Explain the concept of geofencing in Android and its use cases	[05]	3	2	2

OR

Q - 3 (a)	Describe the different types of animations available in Android	[05]	4	3	2
Q - 3 (b)	Describe the process of creating and managing shared preferences in Android.	[05]	3	4	3
Q - 4	Attempt any one	[05]			
(i)	Create an Android application that uses the Telephony API to get the device's network information.		4	3	2
(ii)	Create an Android application that uses Canvas to draw shapes and text.		4	4	3

****

CO   : Course Outcome Number   BTL   : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create

PS:
1. Kindly set the question paper using above mentioned format only.
2. Red Font indicate the changes to be done as per subject requirements. After modification, make the Font Black.
3. Do not forget to hide the table once done with paper setting.
4. Keep Level of Bloom's Revised Taxonomy table as a part of question paper.