

P P SAVANI UNIVERSITY
P P SAVANI SCHOOL OF ENGINEERING
4th Semester of Diploma Examination (2nd Internal Exam)

Subject: Mobile Application Development (IDIT2040)
Branches: CE/IT

[Date: 23/03/2024, Saturday]

[Time: 10:00 A.M. to 11:00 A.M.]

[Total Marks: 30]

Instructions:

- Figures to the right indicate full marks.
- Q 1 & 2 are compulsory.
- Use of scientific calculator is allowed.
- Draw neat and clean drawings & assume suitable data if necessary.

Q. No.	Question	Marks	CO	BTL	PO
Q-1	Attempt the following:	05			
	a) What is the key difference between Linear Layout and Relative Layout in Android UI design		2	2	2
	b) How do you animate a Bitmap in an Android application		4	3	2
	c) Describe the process of creating a Table Layout in an Android user interface		1	1	2
	d) What are the steps to add a new record in an SQLite database in Android		3	5	1
	e) How do you implement a scrolling mechanism in a screen with multiple layouts in Android		2	5	1
Q-2	Explain the difference between View and ViewGroup in Android.	05	3	1	2
Q-3	Attempt the following (Any two):	10			
A	Describe the methods for working with Shapes in Android.		4	3	2
B	How can you manage Dates and Times in an Android application?		4	2	3
C	How can you use multiple layouts on a single screen?		3	2	4
Q-4	Attempt the following (Any two):	10			
A	How can you add, update, and delete preferences in an Android app?		2	2	3
B	Explain how to draw shapes using Canvases and Paints in Android.		3	5	2
C	Explain the concept of Radio Groups and how they are implemented in Android.		3	2	2

CO: Course Outcome Number BTL: Blooms Taxonomy Level PO: Program Outcome

Level of Bloom's Revised Taxonomy in Assessment

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