

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**B.VOC- SEMESTER-IV EXAMINATION – WINTER 2024**

**Subject Code:21140202**

**Date:22-11-2024**

**Subject Name: Mobile Application Development-I**

**Time:02:30 PM TO 04:30 PM**

**Total Marks:50**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

	<b>Marks</b>
<b>Q.1</b> (a) What is Activity? Explain its life cycle with examples.	<b>05</b>
(b) Explain features of Smartphones.	<b>05</b>
<b>Q.2</b> (a) What is AVD? Explain the process of creating AVD in Android application development.	<b>05</b>
(b) Explain the Toggle Button in Android with an example.	<b>05</b>
<b>OR</b>	
(b) Explain Progress Bar View with Android Code.	<b>05</b>
<b>Q.3</b> (a) Explain Implicit Intent and Explicit Intent with suitable examples.	<b>05</b>
(b) Explain Fragment Lifecycle.	<b>05</b>
<b>OR</b>	
<b>Q.3</b> (a) List out various layouts available in Android. Explain all in detail.	<b>05</b>
(b) Explain Toast notification with suitable examples.	<b>05</b>
<b>Q.4</b> (a) What are the orientation modes available in Android? Explain with suitable examples.	<b>05</b>
(b) Explain Options Menu with Android Code.	<b>05</b>
<b>OR</b>	
<b>Q.4</b> (a) Explain dialog as an activity.	<b>05</b>
(b) Explain Context Menu using suitable examples.	<b>05</b>
<b>Q.5</b> (a) Explain methods of SQLiteOpenHelper class.	<b>05</b>
(b) Give the difference between Internal Storage and External Storage.	<b>05</b>
<b>OR</b>	
<b>Q.5</b> (a) Explain advantages and disadvantages of SQLite Database.	<b>05</b>
(b) What is SQLite database? Explain methods for creating, updating, deleting and querying database records by giving a suitable example.	<b>05</b>

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