

**GUJARAT TECHNOLOGICAL UNIVERSITY****BARCH - SEMESTER- V EXAMINATION – WINTER 2021****Subject Code: 2X55005****Date:31/12/2021****Subject Name:Building Regulations****Time:10:30 AM TO 12:30 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>	<p>(a) Explain the following terminology with Suitable Sketches (Any five)</p> <ul style="list-style-type: none"> <li>• Side Margin</li> <li>• Common Open Space (Recreational Space)</li> <li>• FSI</li> <li>• Refuse chute</li> <li>• Ground Coverage</li> <li>• Architectural Projections</li> <li>• Refuge Area</li> <li>• Stair Cabin</li> <li>• Skip floor</li> </ul> <p>(b) What is GDCR? Explain how it plays important role in development process.</p>	<b>15</b>          <b>05</b>
<b>Q.2</b>	<p>(a) Write short note on any two</p> <ul style="list-style-type: none"> <li>• Development plan</li> <li>• NBC</li> <li>• Landuse &amp; Zoning</li> <li>• Town planning scheme</li> </ul>	<b>10</b>
<b>Q.3</b>	<p>Describe occupancy load with suitable example &amp; it's importance in planning process.</p> <p style="text-align: center;"><b>OR</b></p> <p>What is town planning? Describe objective and Principles of town planning?</p>	<b>07</b>
<b>Q.4</b>	<p>(a) Discuss roles &amp; responsibilities of an Architect reference to common GDCR, Gujarat for development and building use permission.</p>	<b>05</b>
<b>Q.5</b>	<p>(a) Describe in detail, different typology of buildings with reference to NBC-2016.</p> <p style="text-align: center;"><b>OR</b></p> <p>Enlist different services of building &amp; describe all services in detail for smoothly functioning of any building.</p>	<b>08</b>

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