

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BID- SEMESTER-I EXAMINATION – SUMMER 2025**

**Subject Code:2X15103**

**Date:21-05-2025**

**Subject Name: Basic Structures-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.

**Marks**

**Q.1**

**ATTEMPT ANY FIVE FROM FOLLOWINGS:**

**50**

1. State the importance of knowledge of Structure for an Interior Designer.
2. State the definition of structure and also explain its types in details.
3. State the functions of structure with its explanation.
4. What is force? State the types of force acting on structure with its explanation and examples.
5. What do you mean by State or condition of equilibrium? Explain in details with three four examples.
6. What are the different types of structural elements? Explain and show with neat sketch of wall section.
7. State the detail information regarding structural systems of load distribution, use real time example.

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