

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.I.D - SEMESTER-I EXAMINATION – WINTER 2019

Subject Code: 1015103

Date: 31/12/2019

Subject Name: Basic Structure-I

Time: 10:30am to 12:30pm

Total Marks:50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) Discuss Classification of Building based on Occupancy? 10**
- Q.2 (a) What are the Various type of load acting on building? 10**
- Q.3 (a) Explain the Difference between Load bearing structure and Framed structure with sketches. 10**
- Q.4 (a) Draw a Vertical section of wall of a building and indicates the elements of section. 10**
- Q.5 (a) Define following terms on based of building Materials and elements. (Any Five) 10**

- 1 Brick
- 2 Cement
- 3 Timber
- 4 Aggregate
- 5 Beam
- 6 Column
- 7 Plinth level
- 8 Footing
- 9 Slab
- 10 Stone
