

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH - SEMESTER-V EXAMINATION – SUMMER 2021

Subject Code:2X55005

Date: 20/09/2021

Subject Name:Building Regulations

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.
4. Simple and non-programmable scientific calculators are allowed.

- Q.1** (a) What is meant by term town planning? Describe guiding principles of town planning. **5**
- (b) Why building bylaws are important? **5**  
What is GDCR? Discuss the importance and role of GDCR.
- Q.2** Define the following Terminologies (any five). **10**
- a) Built up area
  - b) High rise /low rise building
  - c) Skip floor
  - d) Temporary structure
  - e) Habitable room
  - f) Dwelling Unit
  - g) Floor area
- Q.3** Write short note on any two **10**
- a) Development plan
  - b) Zoning
  - c) Town planning schemes
- Q.4** a) Why margins are important? Describe the different margins and its relevance. **10**
- b) NBC and its importance.
- Q.5** a) What is FSI? Discuss in detail the typologies of FSI. **10**
- b) An apartment scheme has 100 flats each of 65 sq. mt. The total land area is 2 acres (8094 sq.mt). Find out F.S.I. for the same.

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