

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

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

## GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH - SEMESTER-V EXAMINATION – SUMMER 2022

Subject Code:2X55005

Date:10-06-2022

Subject Name:Building Regulations

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.

**Q-1 Explain the following terminologies with sketches 15**

1. Setbacks & Margins
2. Ground Coverage
3. Building Line
4. Open Spaces
5. Explain the relation between Road width, margins and building height.

**Q-2 Answer the Following (Any 3) 15**

1. Discuss roles & responsibilities of an Architect reference to common GDCR, Gujarat for development and building use permission
2. What is GDCR? Explain how it plays important role in development process.
3. Write a note on 'Development control rules' and why it's necessary?
4. Describe the main purposes of zoning and whom does zoning impact?

**Q-3 Write Short Notes (Any 2) 20**

1. What is town planning? Describe objective and Principles of town planning?
2. What is 'Energy efficiency'? Discuss on sustainable Energy and Energy conservation.
3. Write a note on 'national building code' and describe in detail, different typology of buildings with reference to NBC-2016.

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