

GUJARAT TECHNOLOGICAL UNIVERSITY**B.Arch - SEMESTER- V EXAMINATION – WINTER 2023****Subject Code:2X55005****Date:11-12-2023****Subject Name: Building Regulations****Time:10:30 AM TO 12:30 PM****Total Marks:50****Instructions:**

1. Attempt any five 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 terminology with suitable sketches. (Any four) **10**
1. Setbacks and margins
 2. Built up Area
 3. Building Line
 4. Common plot
 5. Dwelling Unit
 6. Temporary structure
- Q.2 (a)** What are Building Bye Laws? State its importance with history **05**
- (b)** Explain history of town planning? Describe any one example from ancient India **05**
- Q.3 (a)** Discuss all the regulations related to margin, basement and parking requirements of an assembly use in a building unit of any zone. **05**
- (b)** Explain the procedure regarding obtain Building Construction permission. **05**
- OR**
- Q.3 (a)** What is 'Energy efficiency'? Discuss on sustainable Energy and Energy Conservation as per ECBC **05**
- (b)** Give a brief introduction to IS codes and NBC **05**
- Q.4** Write short note on any two: **10**
- a) Development plan, Zoning and T.P Scheme
 - b) Building Performance Regulations
 - c) Gujarat Real Estate Regulatory Authority
- Q.5** Explain the roles and responsibilities of the following **10**
1. Building Owner
 2. Architect
 3. Civil Engineer
 4. Structural Engineer
 5. Clerk on record
- Q.6** Explain the procedure regarding obtain Building Use Permission from the Local Authorities **10**
