

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

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

## GUJARAT TECHNOLOGICAL UNIVERSITY

BA- SEMESTER-V EXAMINATION – WINTER 2020

Subject Code:1055002

Date:20/01/2021

Subject Name:Building Construction-V

Time:10:30 AM TO 12:30 PM

Total Marks: 27

Instructions:

1. Q.1 is compulsory, Attempt any three questions out of Q.2 to Q.8.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

**Q.1** Explain briefly with sketches: Types of shallow Foundation **03**

**OR**

**Q.1** Explain briefly with sketches: Types of Deep Foundation **03**

**Q.2** Explain R.C.C. Raft Foundation & Grillage Foundation **08**

**Q.3** What is a meaning of Curing? Why is it essential to cure concrete? What are the Various methods commonly adopted in curing? **08**

**Q.4** What is Retaining wall? Explain types of Retaining wall with sketches **08**

**Q.5** Explain the influence of shape of steel member upon its position in a steel structure. Sketch the various shapes of structural steel. **08**

**Q.6** Explain with detail Sketches in plan & elevation. **08**  
I. Single lacing.  
II. Double lacing

**Q.7** Explain the given connections through sketches: **08**  
1) Beam to Beam Connections  
2) Beam to Column Connections

**Q.8** Explain the given connections through sketches. **08**  
1) Column to Column Connections  
2) Column to Foundation Connections

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