

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Architecture – SEMESTER – I • EXAMINATION – SUMMER • 2014

Subject Code: 3316203

Date: 13-06-2014

Subject Name: Construction Technology - I

Time: 02:30 pm - 05:00 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. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

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|------------|---|-----------|
| Q.1 | Draw a typical wall section showing various components of building and describe each component in three-four lines. | 10 |
| Q.2 | Write classification of stone masonry and explain any one in detail. | 10 |
| Q.3 | Explain English bond and Double Flemish bond with sketches and compare them. | 10 |
| Q.4 | Enlist the types of structure. Explain their concepts and advantages in details. | 10 |
| Q.5 | Enlist the basic materials of construction. Explain any three in detail. | 10 |
| Q.6 | Compare fat lime with hydraulic lime and state the uses of Lime mortar. | 10 |
| Q.7 | State the different laboratory test on cement. Explain any two in detail. And explain the term "Storage of cement". | 10 |
