

GUJARAT TECHNOLOGICAL UNIVERSITY
B.ARCH - SEMESTER- III • EXAMINATION – SUMMER 2017

Subject Code: 1035002

Date: 01/05/2017

Subject Name: Building Construction III

Time: 02.30PM to 05.30PM

Total Marks: 40

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. All questions carry equal marks

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| Q.1 | (a) Explain With Sketches At Least 2 Types Of Vaults And Its Details | 04 |
| | (b) Explain With sketches At Least 2 Types Of Domes And Its Details. | 04 |
| Q.2 | (a) Write Explanatory Notes On Different Types Of Timber Floors. | 04 |
| | (b) Explain With Sketches Various Types Of Floors. | 04 |
| Q.3 | (a) Show The Details With Sketches Of Joints At The Ends Of A King Post And Queen Post Roof | 04 |
| | (b) Explain With Sketches Single Joist Timber Floor. | 04 |
| Q.4 | (a) What is Steel? Give uses of steel. Differentiate between Hard & Mild Steel. | 08 |
| Q.5 | (a) Explain the difference between following terms including their uses: 1.P.C.C. & R.C.C., 2.P.P.C. & O.P.C. | 04 |
| | (b) Write a short note on Manufacturing Process of Cement. | 04 |
| Q.6 | (a) What is Trap? Enlist and sketch types of traps. | 04 |
| | (b) Explain briefly: One Pipe and Two pipes System for Drainage. | 04 |
| Q.7 | (a) Describe Different Types Of Tubes Used For Water Supply With Minimum Two Examples Of Joints. | 04 |
| | (b) Sketch a schematic Layout of water Distribution System for a 2 storied Building | 04 |
