Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

## BARCH - SEMESTER- III • EXAMINATION - WINTER 2016

Subject code: 1035002 Date: 17/11/2016

**Subject Name: Building Construction-1II** 

Time: 10:30 AM - 01:30 PM Total Marks: 40

## **Instructions:**

- 1. Attempt any four questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

(a) Plumbing fixtures(b) Types of trap

(e) Uses of Steel (f) Geodesic dome.

(c) Wood and its various types.(d) Roof & enlist various types of it.

4. Each question carry equal marks (10 marks)

<ul> <li>Q.1 (a) Sketch in detail or draft a complete elevation of any one:</li> <li>1. King Post Timber Truss</li> <li>2. Queen Post Timber Truss</li> <li>(b) Schematic section of Toilet and basic drainage system for a G+1 building.</li> </ul>	(05) (05)
<ul><li>Q.2 (a) Explain Prefabrication and Space frame in detail with relevant sketches.</li><li>(b) Explain Timber Floor and various types of timber floors with plan, sections and details.</li></ul>	(05) (05)
<ul><li>Q.3 (a) What is cement? What are grades available in cement? What do these grades indicate?</li><li>(b) Enlist Types of Dome and Sketch any four.</li></ul>	(05) (05)
<ul><li>Q.4 (a) What is per capita demand for projecting required water supply? Give factors affecting per capita demand for water supply. Enlist any four companies manufacturing water supply pipes used in buildings?</li><li>(b) Explain briefly: One Pipe and Two pipes System for Drainage.</li></ul>	(05) (05)
Q.5 Write a short note on the following. Attempt any Five.	(10)

\*\*\*\*\*\*