

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE Arch. – SEMESTER – IV • EXAMINATION – SUMMER • 2014

Subject Code: 1045002

Date: 27-05-2014

Subject Name: Building Construction - IV

Time: 10:30 am - 01:30 pm

Total Marks: 40

Instructions:

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

- Q.1 (a)** Enlist and explain with sketches – Stages of RCC construction. **04**
(b) Explain with sketches – Hollow wall **04**
- Q.2** Explain with sketches **(any 2)** **08**
(a) Formwork
(b) Scaffolding
(c) Shoring
(d) Strutting
- Q.3** Write short note on the following: **(any 2)** **08**
(a) Elevator and Escalator
(b) Partition and Paneling
(c) False ceiling
- Q.4** Enlist and explain types of wiring and describe in detail with sketches; electrification of residential building. **08**
- OR**
- Q.4** What is HVAC? explain in detail with sketches **08**
- Q.5** Design a Toilet with change room (in size of 3m X 5m) for Master Bedroom on a 1st floor apartment; assume the other information like ventilation, water supply and drainage connection etc; required for it. Draw plan, Section and details showing fittings, fixtures and services in suitable scale. **08**
- OR**
- Q.5** Design a Kitchen with store room (in size of 3m X 5m) for a 1st floor apartment; assume the other information like ventilation, water supply and drainage connection etc; required for it. Draw plan, Section and details showing fittings, fixtures and services in suitable scale. **08**
