

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH. - SEMESTER-IV EXAMINATION – SUMMER 2019

Subject Code:1045002

Date:14/05/2019

Subject Name: Building Construction -IV

Time:10:30 AM TO 01:30 PM

Total Marks: 40

Instructions:

1. Attempt Any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1.** (a) Draw & Explain cavity wall in brick and Hollow concrete blocks. (04)
(b) What is false ceiling? Explain at least three materials used for False ceiling. (04)
- Q.2** (a) what is “day lightning? What is meant ‘Day lightning factor’”? (04)
(b) What is Scaffolding? Explain the types of Scaffolding. (04)
- Q.3** (a) Enlist and explain types of wiring and describe in detail with sketches the Electrification of a small scaled residential building. (04)
(b) Write with examples the use of Elevators and Escalators and explain their basic working system with sketches. (04)
- Q.4** (a) what is partition wall? Mention and elaborate different materials used for light Partitions. (04)
(b) Make relevant sketches. (04)
1) Double skin partition wall
2) Double scaffolding
- Q.5** (a) Explain difference between Air conditioners and Air coolers. (04)
(b) Enlist and explain with sketches-stages of RCC construction. (04)
- Q.6** (a) Assume an architect’s cabin of 4mt x 5mt and design a false ceiling for the same. (Proportionate sketch/draft). Draw plan and details of same.also specify the material Used in the False ceiling. (08)

OR

- (a) Design a Kitchen with store room of 4.5mt x 5mt for a ground floor row house: assume the other information like Water supply, ventilation & drainage connections etc: required for it. Draw plan, section&details showing fittings & services in suitable scale. (08)
