

Seat No.: _____

Enrollment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
D.ARCH - SEMESTER-II • EXAMINATION – SUMMER - 2018

Subject Code: 3326203

Date: 28-05-2018

Subject Name: Construction Technology II

Time: 10.30 am to 12.30pm

Total Marks: 50

Instructions:

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

Q.1 (a) Write short note and mention types of shallow foundation. Draw plan, section and necessary sketch for raft foundation. 10

Q.2 Answer any **TWO**. 10
(a) Explain defects and seasoning of timber.
(b) Explain types of pointing. Draw necessary sketches.
(c) Write short note on plastering. Explain method of cement plaster for external or internal side of building.

Q.3 (a) Write short note. Draw necessary sketch if required. (Any **FOUR**) 10
1. Use and properties of Plywood and particle board.
2. Use and properties of CPVC and UPVC pipes
3. Sanitary fittings (any two)
4. Weather shed and pergolas
5. Use and properties of Glass.

Q.4 (a) Draft or sketch an open-well staircase. Floor height 3000mm, width of flight 1000mm. 10
(Draw plan, sectional elevation and necessary details with suitable scale.) Mention various parts and materials.

OR

(a) Draft of sketch queen post timber truss (span 1100mm) in section with suitable scale. Mention various parts and materials.

Q.5 Answer any **TWO**. 10
(a) Draft or sketch footings for one and half brick. (Plan, section and isometric view.)
(b) Draft or sketch timber lean to roof. (Sectional elevation and necessary details with suitable scale.) Mention various parts and materials.
(c) Write short note on type of doors. Draw necessary sketches and mention various parts and materials for any one type of door.

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