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Total number of pages: 2

Total number of questions: 6

B.ARCH. – 6th Sem

Building Construction - IV

Subject Code : AR-602

Paper ID: (for office use)

Batch: 2015 onwards

Time allowed: 04 Hrs

Max Marks: 80

Important Instructions:

- Attempt 3 questions in total with well labeled details and sketches.
- Assume any missing data.

Q.1 Draw detailed plan and section through a dog-legged staircase in a residence within space of 3500mm x 2200mm with traverse height of 3100mm.

or

Q.2 Draw following details of a toilet of size 2100mm x 1650mm.

- a. Demarcation Plan
- b. One sectional detail
- c. Sanitary Layout

(30 marks)

Q.3 A semi-covered structure is to be designed for an exhibition space. Draw the details of the structural formwork for a space of 20m x 25m.

or

Q.4 Explain with well labeled details of the following:

- Underpinning: Pit Method and Pile Method
- Raking Shore
- Single and Double Scaffolding

(15 marks)

Q.5 A compound wall of length 12m and height 5m is cladded with Red sand stone. Draw the fixing details of stone with the wall, finishing of joints along with the elevation of the wall showing pattern of fixing of stone.

or

Q.6 Detail out the fixing of glass for a wall of an office at the front facing the green area. Sketch the necessary details for the glass wall. Assume the dimensions.

(15 marks)