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Total No. of Pages : 01

Total No. of Questions : 04

**B. Architecture (2012 & Onwards) (Sem.-6)**  
**BUILDING CONSTRUCTION & MATERIALS VI**  
Subject Code : BACH-602  
M.Code : 72288

Time : 4 Hrs.

Max. Marks : 75

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any THREE questions in ALL with atleast one question from each unit
2. Assume data/dimension. Draw neat sketches where necessary.
3. Choose suitable scale for drawing & details unless mentioned.

**UNIT-I**

- Q1. a) Detail out a kitchen (3m × 4.2m) in a house. Draw the plan, elevation, section and relevant details (four) to clear the scheme. Also show water supply & plumbing layout in plan. 15
- b) Draw the joinery details (1 : 2) of the above said kitchen door & window (1 : 2) 10
- Q2. a) Detail out a toilet (2m × 2.5m) in a house. Draw the plan, elevations, section and relevant details (four) to clear the scheme. Also show water supply & plumbing layout in plan. 15
- b) Draw the following details (1:2) of the RCC staircase having MS balusters and wooden handrail :
- 1) Nosing (marble)
  - 2) Baluster fixing
  - 3) Wooden railing fixing to baluster 10

**UNIT-II**

- Q3. Enlist and explain (each one) in detail different types of scaffolding used in building construction. Draw the isometric view of each. 25
- Q4. a) The foundation (brick) of an old building having is to be strengthened. What type of temporary works will you employ? Draw neat section/ sketches to clear your scheme. 15
- b) Explain shoring in detail with neat sketches. 10

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**