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Total No. of Pages : 01

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**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. Assume any missing data/dimension. Draw neat sketches where necessary.
2. Attempt 3 questions in all with at least one question from each unit.
3. Choose suitable scale for drawings & details unless mentioned.

**UNIT-I**

1. a) Detail out a kitchen (2.8m × 4.4m) 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/ventilator (1:2) 10
2. a) Detail out a toilet (1.8m × 2.6m) in a house. Draw the plan, elevations, section and relevant details (four) to clear the design scheme. Also show water supply & plumbing layout in plan. 15
- b) Draw the cross section of RCC dog leg staircase (floor to floor height 3.5m) showing tread & riser having MS balusters and wooden handrail. Also draw the following details (1:2): 1) baluster fixing 2) Wooden railing fixing to baluster. 10

**UNIT-II**

3. Enlist and explain (each one) in detail different types of scaffolding used in building construction. Draw the isometric view of each. 25
4. a) The foundation for a building is to be excavated in loose soil. What type of temporary works will you employ? Draw neat section/ sketches to clear your scheme. 15
- b) Explain underpinning 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.**

