

Roll No.

--	--	--	--	--	--	--	--	--	--

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. 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.