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Total No. of Questions : 04

B. Architecture (2012 & Onwards) (Sem.-6)
BUILDING CONSTRUCTION & MATERIALS VI
Subject Code : BACH-602
Paper ID : [72288]

Time : 4 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any THREE questions with atleast ONE question from each UNIT.
2. Choose Suitable scale for drawings.
3. All question carry EQUAL marks.
4. Assume data wherever necessary.

UNIT-I

1. A kitchen measuring $3.5\text{m} \times 4.2\text{m}$ (effective space) have access from the central lobby and window facing the driveway. Assume the suitable door and window size and position. Draw plans at + 450mm level and + 1200mm level from floor finish level. Also make one typical section showing all details.
2. A toilet measuring $1.8\text{m} \times 2.4\text{m}$, on ground floor has access from bedroom and living room. Make suitable plans and two sectional elevations.

UNIT-II

3. Define shoring. Explain various techniques of shoring in buildings, foundations and trenches with the help of sketches.
4. What do you understand by the term underpinning? What are the structural conditions which require underpinning? Explain various methods of underpinning. Support your answer with neat sketches.