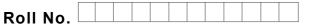
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Total No. of Pages : 01

Total No. of Questions : 07

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## B.Architecture (2012 & Onwards) (Sem.-4) BUILDING CONSTRUCTION & MATERIALS-IV Subject Code : BACH-402 M.Code : 71017

Time :4 Hrs.

Max. Marks: 75

#### **INSTRUCTIONS TO CANDIDATES :**

- 1. Assume any missing data/dimension. Draw neat sketches where necessary.
- 2. First question is compulsory.
- 3. Attempt 2 question from each UNIT.
- 4. Each question of Unit I and Unit II is of 16 marks. One mark is reserved for neatness.
- 5. Choose suitable scale for details.
- 1. a) Draw neat sketch of ridge detail of king post truss.
  - b) Draw neat sketch of Allahabad tiles with dimensions.
  - c) Explain (with sketches) briefly about the accessories used in fixing of AC and Gl sheets in roofing.
  - d) Explain briefly Dhajji wall construction.
  - e) Explain difference between couple and close couple roof.  $2 \times 5=10$

## UNIT-I

- 2. Explain in detail the types of stone flooring and process of laying the same.
- 3. Enlist various floor covering materials (other than stone) explaining their constituents, properties and uses.
- 4. Write in detail the types, properties, advantages and uses of plastic in buildings.

### UNIT-II

- 5. Draw the plan, elevation and relevant details (three) of a 9m span built up timber truss.
- 6. Design and detail out a timber staircase for a rise of 2.5m.
- 7. Design and detail out a timber sliding folding door for an opening of size  $3m \times 3m$ .

# 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.