

Roll No.

Total No. of Pages : 02

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**B.Architecture. (Sem.-4)**  
**BUILDING CONSTRUCTION & MATERIALS-IV**

Subject Code : BACH-402

M.Code : 71017

Date of Examination : 08-07-22

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. Write short notes on following : (2×5=10)

- a) Mangalore Tiles
- b) PVC
- c) Double Lean to roof
- d) Gutters
- e) Cross bracing in partitions.

**UNIT-I**

2. Explain the process of fixing of corrugated asbestos cement sheets as covering material for an inclined roof. (16)
3. Explain the process of laying parquet flooring for a multipurpose room. (16)
4. What are the various applications of plastics in building? What are the properties of HDPE? (16)

## UNIT-II

5. Design a timber sliding and folding door to be provided for a 4m wide opening for a showroom. Draw to a suitable scale, the construction details of the door. (16)
6. A hall of size 5m×10m is to be provided with a pitched roof. Draw the roof plan, sectional elevation & other details to explain the roofing system. (16)
7. a) Explain with sketches, the construction detail of gutter, eaves and ridge of King post truss. (8)  
b) Explain the Dhajji wall construction with the help of neat sketches. (8)

**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.**