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Total No. of Pages : 02

Total No. of Questions : 07

**B. Architecture (2012 & Onwards) (Sem.-2)**  
**BUILDING CONSTRUCTION AND MATERIALS-II**

Subject Code : BACH-202

M.Code : 45097

Time : 4 Hrs.

Max. Marks : 70

**INSTRUCTION TO CANDIDATES :**

1. Q.1 is compulsory.
2. Attempt TWO questions each from UNIT I & UNIT II.

**1. Write short notes or explain through sketches the following :**

- |  |   |
|--|---|
| a. Vertical DPC  | 2 |
| b. Types of Seasoning of Timber                        | 2 |
| c. Types of waterproofing materials                    | 2 |
| d. Jack Arch Roof                                      | 2 |
| e. Different types of Joints used in Doors and windows | 2 |

**UNIT-I**

2. Timber being a natural product is vulnerable to defects. Highlight the commonly found defects in timber and their remedial measures. 10
3. Identify the different types of paints available in the market, their characteristics, cost and usage. 10
4. Discuss various types of waterproofing materials along with their specific use. 10

**UNIT-II**

5. Draw to suitable scale a complete section through 230 mm thick external wall of toilet having ventilator opening size of 900x900 mm with sill ht. 1500mm. Floor to ceiling this 3.5mt and the plinth level is at 450mm from NGL. 20

6. Write short notes on the following (with neat sketches) :
- a) Shallow foundations (7)
  - b) Deep Foundations (7)
  - c) Tiled and battened Roof. (6)
7. a) Draw to suitable scale plan, elevation and section of a Bay window (2100×1800) of a living room opening towards a garden. Also show two details. (10)
- b) Draw plan, elevation and sections of a two panel door for an opening of 1m × 2.1m. Also draw any three details. (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.**