



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 181215

Roll No.

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B. Arch.

(SEM. II) THEORY EXAMINATION, 2014-15
CONSTRUCTION & MATERIALS-II

Time : 3 Hours]

[Total Marks : 50

- Notes:
- (1) Answer Four questions, of which question no. 1 is compulsory.
 - (2) Dimensions and Labeling should be done in all drawings..
 - (3) Use an appropriate scale for drawing.
 - (4) Assume any missing data.

1 A Ledged braced batten door is proposed for an opening of size 1200 nun × 2100 mm.. Prepare both side elevations, plan, section and one isometric detail for joinery between panels and rail. **20**

OR

Design a Brick .jali of dimension 3600 mm × 3000 mm in 230 mm thick brick wall. Draw part elevation, cross section and plans to explain the brick Jali. **20**

- 2 Write short notes on **any three** of the following : **10**
- (a) Rat Trap Bond
 - (b) Asphalt
 - (c) Vertical DPC
 - (d) Properties of Bricks used in R. B. C. works
 - (e) Grading of Aggregates.
- 3 (a) Explain and elaborate the term Workability of concrete.
- (b) Differentiate between the hand mixing, and **10**
machine mixing methods of mixing concrete.
- 4 Elaborate artificial seasoning of timber: **10**
- 5 Draw isometric details of any three types of lengthening **10**
joints commonly used in building works.
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