

Printed Pages : 3



AR402

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

PAPER ID :181403

Roll No.

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B. Arch.

(SEM. IV) THEORY EXAMINATION, 2014-15

CONSTRUCTION AND MATERIALS - IV

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 room of size 3000 mm × 5000 mm and 3000 mm **20**
height is to be panelled from inside. It has one door
1000 × 2100 mm and one window 1200 × 1200 mm.
Present your scheme with all relevant plans, elevations
and sections and isometric of two fixing/ joinery details.
Choice of material should be judicious.

OR

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[Contd...

- 1** A sloping triple roof is proposed over a room of size 6.5 m and 4.0 m high. Present your scheme with all relevant plans, elevations and sections and isometric of two fixing/joinery details. Choice of material should be judicious. **20**
- 2** Attempt any two of the following. Support your answer with neat sketches : **10**
- (a) What is a double roof? Discuss its various forms in brief.
 - (b) Discuss the laying process of 'Allahabad tiles' on a roof.
 - (c) What is veneer? How it is manufactured ?
- 3** Differentiate between the following. Support your answer with neat sketches. Attempt any two : **10**
- (a) Plywood and Veneer.
 - (b) Cement Fibre-Board and Medium density Fibre-Board
 - (c) Allahabad Tiles and Mangalore Tiles.
 - (d) Galvanized Iron sheets Plain and Corrugated.
 - (e) Natural Adhesive and Urea Formaldehyde.

- 4 Attempt any two : **10**
- (a) Sliding Door
 - (b) Revolving Door.
 - (c) Wall Plates.
 - (d) Spars and Purlins
- 5 Attempt any two of the following. Support your answer with neat sketches : **10**
- (a) What is a sliding folding door? Discuss its various types.
 - (b) Discuss the installation process of timber partition in a hall.
 - (c) What is natural adhesive? How it is manufactured?
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