



BARCH
(SEM IV) THEORY EXAMINATION 2017-18
CONSTRUCTION AND MATERIAL-IV

Time: 3 Hours
Total Marks: 50
Notes:

- *Attempt all Sections.*
- *Assume any missing data.*

SECTION – A

Attempt all questions. All questions carry equal marks
1. Explain with neat sketches
(1 X 10= 10)

- a. DPC
- b. Wall paint
- c. Oil paint
- d. Cement board
- e. Cavity wall
- f. Glass bricks
- g. Adhesive
- h. Polishes & Varnishes
- i. Bituminous
- j. Revolving door

SECTION – B

2. Attempt any five questions. All questions carry equal marks
(5X 5=25)

- a. Explain Sliding door With Neat Sketches & what are advantage of sliding doors
- b. What is Ply Wood? How it is manufactured & its preservation.
- c. What is an Adhesive Explain in Detail Where we used in Construction?
- d. What are Panel doors? Explain their fixing in the shutter with properly labeled sketches.
- e. What are advantages of Revolving doors. Explain their fixing with neat sketches?
- f. What are the various timber-partitioning materials that can be used?
- g. How glazed partitions and shutters are fixed? Explain their various components and fixtures with proper sketches.
- h. What is wooden paneling? Propose at least two materials, which shall be specified for paneling stating reasons for your choice.

SECTION – C

3: Attempt any one question. All questions carry equal marks:
(1x15=15)

- a. A Revolving door is provided for an Office. The size of a door opening is 1800mm x 2100mm. Draw Plan, Elevation and isometric view of joinery details of the door on suitable scale.
- b. A Flush door is provided for a drawing room. The size of a door opening is 1250mm x 2100mm. Draw Plan, Elevation and one isometric view of joinery details of Door shutter along with timber frame (scale 1:10).
- c. A Sliding door is provided between dining hall & lobby. The size of door openings 1900mm x 2100mm. Draw Plan, Elevation and one isometric view of joinery details of Door shutter on a suitable scale.