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.