

BARCH
(SEM IV) THEORY EXAMINATION 2018-19
CONSTRUCTION & MATERIALS-IV

Time: 3 Hours**Total Marks:50****Note:**

- Read instructions carefully, attempt accordingly.
- Compile your work in Two Cartridges only.
- Be precise in your answers.
- Assume any missing data.
- Properly label the drawing

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

- | | |
|----------------------------|-------------------------|
| a. Laminates | g. Adhesive |
| b. Urea formaldehyde | h. Polishes & Varnishes |
| c. Particle Board | i. Bituminous |
| d. Wood wool cement boards | j. flush door |
| e. Plywood | |
| f. Glass bricks | |

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

- a. What do you understand by the term Thermo-setting adhesives? What are the different types of such adhesives available for use in construction industry and where?
- b. What are the various temporary constructions used to facilitate brickwork construction/ remodeling? Explain their types with properly labeled sketches.
- c. What do you understand by roof terracing? Explain their use, application and necessity with proper examples.
- d. What are sliding folding door? Explain their fixing in the shutter with properly labeled sketches.
- e. What is Ply Wood? How it is manufactured & preserved.
- f. What are the various timber partitioning materials that can be used? How surface is protected.
- g. How glazed partitions and shutters are fixed? Explain their various components and fixtures with proper sketches.

- h. What is paneling? Propose at least two materials which shall be specified for paneling stating reasons for your choice.

SECTION – C

3: Attempt any one question in your answer booklet.

(1x15=15)

- a. A Revolving door is provided for an Office. The size of a door opening is 2000mm x 2100mm. Draw Plan, Elevation and isometric view of joinery details of the door on suitable scale.
- b. A Sliding door is provided between dining hall & lobby. The size of door openings 2000mm x 2100mm. The door can be slides on either side of opening on wall. . Draw Plan, Elevation and one isometric view of joinery details of Door shutter on a suitable scale.