Printed Pages: 02 **Subject Code: AR402/NAR402**

Paper Id: **181245** **Roll No:** | | | | | | | | | | |

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

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.

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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.

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