



C20-AA-307

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BOARD DIPLOMA EXAMINATION, (C-20)
OCTOBER/NOVEMBER—2023
DAA – THIRD SEMESTER EXAMINATION
BUILDING CONSTRUCTION DRAWING—I

Time : 3 Hours]

[Total Marks : 60

PART—A

5×4=20

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **five** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Write any five causes of dampness in the structures. 5
2. Define the term 'Timbering of trenches' and write any three uses of it. 2+3=5
3. Write any five requirements of good formwork. 5
4. Write any five requirements of a good staircase. 5

PART—B

10×4=40

- Instructions :** (1) Answer *any four* questions out of **six** questions.
(2) Each question carries **ten** marks.

- 5.** Draw the DPC treatment drawing for the following :
- (a) At basement level 5
 - (b) At roof level 5
- 6.** Draw the following foundation drawing for :
- (a) Combined footing 5
 - (b) Single reamed pile 5
- 7.** Draw the Tubular scaffolding and label the parts. 10
- 8.** Draw the plan and elevation of a double Flemish bond for construction of 1 1/2 brick thick wall meeting at corner showing alternate courses. 10
- 9.** Draw the following :
- (a) Rubble masonry coursed 5
 - (b) Ashlars masonry (Chamfered tooled) 5
- 10.** Plan a dog-legged staircase for a residential building in which the vertical distance between each floor is 3·00 mt. In 1 : 20 scale. 10

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