

7229

BOARD DIPLOMA EXAMINATION, (C-20)

MAY—2023

DCE - THIRD SEMESTER EXAMINATION

CONSTRUCTION PRACTICE

Time : 3 hours ]

[ Total Marks : 80

**PART—A**

3×10=30

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

1. State any two classification of foundations with one example for classification.
2. State any four types of loads to be considered for the design of foundations.
3. Define the terms (a) bond, (b) header and (c) stretcher in brick masonry.
- \* 4. State any three points to be considered while locating doors in buildings.
5. State any three functions of roofs.
6. Draw the plan of dog-legged staircase.
7. State any three advantages of steel scaffolding.
8. Define formwork.
9. State three steps in providing cement plastering on masonry walls.
- \* 10. What is termite proofing?

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**PART—B**

8×5=40

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **eight** marks.  
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** (a) Explain the wall footing and isolated footing in four sentences with a legible sketch.

**(OR)**

- (b) List the rules for minimum depth, width of foundation and thickness of concrete bed for spread footing foundation.

- 12.** (a) State any eight points to be observed in construction of Brick masonry.

**(OR)**

- (b) Explain brick masonry for 2-brick masonry wall in English bond for alternate layers with a sketch.

- 13.** (a) Explain about glazed door in four sentences with a legible sketch.

**(OR)**

- (b) Explain about panel door with a sketch.

- 14.** (a) Explain method of constructing cement concrete flooring.

**(OR)**

- (b) Write any eight requirements of good floor.

- 15.** (a) Explain the method of painting on old and new wall surfaces.

**(OR)**

- (b) Explain the method of termite proofing.

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## **PART—C**

10×1=10

- Instructions :** (1) Answer the following question.  
(2) The question carries **ten** marks.  
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 16.** List and explain NBC classification of buildings with one example for each.

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