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C20-C-306

7229

BOARD DIPLOMA EXAMINATION, (C-20)

FEBRUARY/MARCH — 2022

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 the loads to be considered in the design of foundation.
2. Define safe bearing capacity of soil.
3. Define the following terms in brick masonry :
 - (a) Course
 - (b) Header
 - (c) Stretcher
4. Write any three guidelines to be considered while locating doors and windows.
5. State three functions of roofs.
6. Define rise, tread and flight.
7. State the purpose of scaffolding.
8. State three advantages of tubular scaffolding.
9. State the objectives of pointing.
10. What is termite proofing?

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PART—B

8×5=40

- Instructions :** (1) Answer **either** (a) **or** (b) of each question from *Part—B*.
(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) List the component parts of a building and give one function of each.

(OR)

- (b) List four causes and effects of dampness at basement level.

12. (a) Write any eight general principles to be observed in brick masonry construction.

(OR)

- (b) Explain with sketch two brick thick wall in English bond for alternate layers.

13. (a) Describe paneled door with legible sketch.

(OR)

- (b) Explain the functions and types of lintels.

14. (a) Explain King post truss in four sentences with a legible sketch.

(OR)

- (b) Explain method of construction of cement concrete flooring.

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

(OR)

- (b) Explain the preconstruction treatment 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 criterion for valuation is the content but not the length of the answer.

16. Explain NBC classification of buildings with one example.

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