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C20-C-306

7229

**BOARD DIPLOMA EXAMINATION, (C-20)
JUNE/JULY—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. List any six components of building.
2. State the loads to be considered in the design of foundation.
3. State any three advantages of hollow concrete block masonry.
4. List various special types of doors.
5. Define flight, landing and going.
6. Draw the line diagram of bifurcated stairs.
7. Write any three points to be considered while erecting scaffolding.
8. Write any three advantages of steel form work over timber form work.
9. State any three objectives to provide white, colour washing and distempering etc.
10. State any two categories of anti-termite treatment.

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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 in brief trial pit and auger boring methods of soil exploration.

(OR)

(b) Explain method of construction of spread foundation.

12. (a) Explain random rubble and coursed rubble masonry with sketches.

(OR)

(b) State any eight general principles to be observed in brick masonry.

13. (a) State the principles of locating doors and windows in buildings.

(OR)

(b) Explain fixed, curved and swinging type of ventilators.

14. (a) Explain king post truss with a sketch.

(OR)

(b) Explain method of construction of mosaic flooring.

15. (a) Write any six purposes of plastering.

(OR)

(b) Explain method of painting on old and new wall surfaces.

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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 in brief the arrangement of form work for slab and beam with a sketch.

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