

7229

BOARD DIPLOMA EXAMINATION, (C-20)
NOVEMBER/DECEMBER—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. State the formula for minimum depth of spread footing foundation.
3. Define the terms (a) course, (b) header and (c) stretcher.
4. Write any three functions of lintel.
- * 5. List out any four types of roof trusses.
6. Define the terms (a) flight, (b) rise and (c) tread.
7. State any three advantages of tubular scaffolding.
8. State three advantages of steel form over timber form work.
9. Write any three objectives of painting.
10. List the types of pointing.*

PART—B

8×5=40

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- 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) Describe the method of constructing spread footing foundation with the help of a sketch.

(OR)

- (b) Explain the functions of various components of a building.

- 12.** (a) State any eight principles to be observed in stone masonry construction.

(OR)

- (b) Draw a legible sketch showing the plan of one and half brick wall in English bond.

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

(OR)

- (b) Describe sunshades and sun-breakers with sketches.

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

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(OR)

- (b) Describe the requirements of a good floor in any eight aspects.

- 15.** (a) Describe the method of plastering brick masonry in two coats of 20 mm thick with sponge finish.

(OR)

- (b) Explain the method of painting new wood surface.

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PART—C

10×1=10

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- 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. Explain in brief, NBC classification of buildings with examples.

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