



c20-c-306

7229

BOARD DIPLOMA EXAMINATION, (C-20)
OCTOBER/NOVEMBER—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. List any six components of building. | $\frac{1}{2} \times 6 = 3$ |
| 2. State any three objectives of soil investigations. | $1 \times 3 = 3$ |
| 3. Define the terms (a) stretcher and (b) course. | $1 \frac{1}{2} \times 2 = 3$ |
| 4. Define the terms (a) jamb, (b) mullion and (c) horn. | $1 \times 3 = 3$ |
| 5. Define the terms (a) tread, (b) landing and (c) going. | |
| 6. List any three requirements of a good floor. | $1 \times 3 = 3$ |
| 7. State the advantages of tubular scaffolding. | 3 |
| 8. State the requirement of good formwork. | 3 |
| 9. List any three objectives of plastering. | $1 \times 3 = 3$ |
| 10. Explain the process of spray painting. | 3 |

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 briefly about the classification of piles. 8

(OR)

(b) What are the effects of dampness in the building? 8×1=8

12. (a) Explain with neat sketches about (i) ashlar and (ii) random rubble masonry. 4×2=8

(OR)

(b) Explain general principles to be observed in stone masonry. 8

13. (a) (i) State any four factors to be considered in deciding location of doors in a building. 4

(ii) Explain about revolving door with a sketch. 4

(OR)

(b) Classify the lintels according to types of material. Explain about any two types. 2+3+3=8

14. (a) Explain method of fixing (i) plaster of paris ceiling and (ii) fibre glass ceiling. 4+4=8

(OR)

(b) Explain about (i) preparation of sub-base for cement plaster flooring and (ii) laying cement plaster flooring. 4+4=8

15. (a) State any eight types of paints with their suitability. 8

(OR)

(b) Explain the various stages in the process of distempering. 8

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. Write short notes on the following :

2+2+2+2+2=10

- (a) Panelled door
- (b) Glazed and sash door
- (c) Revolving door
- (d) Sliding door
- (e) Swing door

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