



c16-c-304

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BOARD DIPLOMA EXAMINATION, (C-16)
MARCH/APRIL—2018
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.

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1. List any six component parts of a building.
2. (a) List any three different methods of soil exploration.
(b) List any three types of borings. 1½+1½
3. State any six types of stone masonry. ½×6
4. List any six types of doors that are commonly used in buildings.
5. List any six types of roofs.
6. State any six advantages of steel trusses.
7. State the principles of locating staircase.

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8. Define scaffolding. Mention any four different types of scaffolds in common use. 1+2
9. State any six objectives of plastering. $\frac{1}{2} \times 6$
10. State any three objects of painting.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. What are under-reamed piles? Explain briefly the construction of under-reamed piles with the help of neat sketch. 2+8
12. (a) Define soil exploration. 2
(b) Explain briefly about well foundation with neat sketch. 4+4
13. Explain with a neat sketch $1\frac{1}{2}$ brick wall of “English bond”. 10
14. Explain about (a) revolving doors and (b) collapsible doors with neat sketches. 5+5
15. List any six functions of ceiling. List any four ceiling materials. 10
16. List any four different types of floorings. Explain the method of laying mosaic flooring. 10
17. (a) Draw neat sketch of dog-legged staircase and label the components. 5
(b) State the advantages of tubular scaffolding. 5
18. Explain the method of painting for new and old walls. 10

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