



c14-c-306

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**BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2017
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) Answer should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State any three functions of plinth.
2. Write any three situations where underreamed piles are used.
3. Define the following terms :
 - (a) Course
 - (b) Closer
 - (c) Stretcher
4. List various types of locks used for doors and windows.
5. List out any four types of roof.
6. State any three functions of ceiling.
7. What is spiral staircase? Where is it used?

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[*Contd...*

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8. List any six ^{*} protective and decorative finishes of buildings.
9. How do you prepare the surface for distempering?
10. State three applications of solar energy.

PART—B

10×5=50

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

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

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

11. Explain briefly the functions of any ten components of a building.
12. Explain the procedure for laying the dampproof course at the basement.
13. What is rubble masonry? State various factors to be considered while constructing rubble masonry of any type.
14. Write short notes on the following : 4+3+3
 - (a) Sunshade
 - (b) Canopy
 - (c) Sun-breakers
15. Explain the method for flooring with Cuddapah slabs.
16. Write the construction of formwork for slab and beam with the aid of a neat sketch.
17. State three objectives of painting and describe the method of paintings on wood surface.
18. Explain the benefits associated with the use of building energy management system.

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