



c14-c-306

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

1. State the sub-classification of (a) residential buildings and (b) institutional buildings.
2. State the advantages and disadvantages of soil exploration by 'tube boring' method.
3. What do you understand by Ashlar stone masonry?
4. List any six types of doors that are commonly used in buildings.
5. Draw a neat diagram of king-post and name the parts.
6. State various types of ground floors.
7. State any three objectives of formwork.

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8. State the ^{*}objects of painting.
9. State the objects of pointing.
10. List out solar energy utilities.

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. Describe the method of providing under-reamed pile foundation with a neat sketch.
12. Briefly explain the various causes of dampness of buildings.
13. Discuss the advantages of masonry construction using hollow concrete block.
14. Write short notes on the following :
 - (a) Sunshade
 - (b) Canopy
 - (c) Sunbreakers
15. Explain the steps involved in the construction of 'cement concrete flooring'.
- * 16. Draw the formwork arrangement for beam and slab system.
17. (a) Describe the method of pointing on wood surface.
(b) Describe the method of application of oil bound distemper on masonry wall.
18. List out the information required in collecting energy data from the building.

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