

4230

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**MARCH /APRIL-2019**  
**DCE - THIRD SEMESTER EXAMINATION**

CONSTRUCTION PRACTICE

Time: 3 hours

Max.Marks: 80

**PART-A**

**10x3=30M**

**Instructions:** 1) Answer all questions. Each question carries three marks.  
2) Answers should be brief and straight to the point and shall not exceed five simple Sentences.

1. List the loads to be considered for design of spread foundation.
2. List out the different methods of soil exploration.
3. Draw the two courses of one brick wall in English bond at corner.
4. State any three principles of locating doors in buildings.
5. Draw neat sketch of king post truss and name the parts.
6. What are the advantages of flat roof over sloped roof?
7. State the advantages of steel scaffolding.
8. What is plastering? State any three objectives of plastering.
9. Write any three objectives of painting.
10. List out solar energy utilities.

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## PART-B

**5x10=50M**

**Instructions:** 1) Answer any five questions. Each question carries ten marks.

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

11. (a) Label the component parts of building with the help of neat sketch.  
(b) Explain any five components of a building with their function.
12. (a) List the various causes of dampness at basement level.  
(b) List the various effects of dampness at basement level.
13. Explain briefly about the pre-cast concrete solid blocks and hollow blocks masonry construction.
14. Explain various types of fixtures and fastenings of door.
15. State and explain the requirements of good floor.
16. Draw and explain bifurcation staircase with a neat sketch.
17. Explain the method of white washing for new and old surfaces.
18. Formulate the energy flowchart with example.

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