



**c14-c-306**

**4230**

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**MARCH/APRIL—2016**  
**DCE—THIRD SEMESTER EXAMINATION**  
**CONSTRUCTION PRACTICE**

*Time : 3 hours ]*

*[ Total Marks : 80*

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**PART—A**

3×10=30

**Instructions :** (1) Answer **all** questions.

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

1. State the classification of buildings as per NBC.
2. List the different methods of soil exploration.
3. Define the following terms :
  - (a) Brick masonry
  - (b) Frog
  - (c) Bats and closes
4. State any three advantages of steel windows over other windows.
5. Draw a neat diagram of king post truss and name the parts.
6. State any four objectives of form work.
7. Define the following terms :
  - (a) Daubing
  - (b) Cracking
  - (c) Crazing

- \* 8. How is sand faced finish obtained?
9. State any six materials used for ceiling of materials.
10. List out the solar energy utilities.

**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. What are the advantages of Raft Foundation? Briefly explain the method of construction. 3+7=10
12. Write about the prevention of dampness at base level.
13. State the general principle to be observed during brick masonry construction.
14. Describe the methods of manufacturing of flush doors. Draw a neat sketch of solid core flush door. 3+7=10
15. State and explain the requirements of good floor. 2+8=10
16. (a) Explain, with neat sketch, tubular steel scaffolding.  
(b) State the principles of location of stairs and list the different types of stair. 5+5=10
17. (a) State the steps in providing cement plastering on masonry walls.  
(b) State the uses of wall putty as a decorative finish on masonry walls. 5+5=10
18. What is meant by an energy survey? Explain the need of energy survey. 2+8=10

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