



c-16-c-405

**6428**

**BOARD DIPLOMA EXAMINATION, (C-16)  
MARCH/APRIL—2018  
DCE—FOURTH 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.  
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State any three functions of plinth.
2. State any three causes of dampness at basement level in a building.
3. Define the following terms :
  - (a) Brick masonry
  - (b) Frog
  - (c) Bats and closers
4. List various types of lock used for doors and windows.
5. State any six functions of roof.
6. Draw a neat diagram of king post truss and name the parts.
7. State any four objectives of form work.

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8. Define the following terms<sup>\*</sup>
- (a) Daubing
  - (b) Hacking
  - (c) Cracking
9. State any six materials used for ceiling of materials.
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) 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. (a) Explain briefly an auger method of soil investigation. 5  
(b) What are the situations that demand a pile foundation? 5
13. State the general principle to be observed during brick masonry construction.
14. Write short notes on the following : 4+3+3  
(a) Sunshade  
(b) Canopy  
(c) Sun-breakers
15. (a) Describe the method of construction marble flooring. 5  
(b) State the principles of location of staircase. 5
16. List the types of scaffolding and explain tubular steel scaffolding with sketch.
17. (a) State three objects of pointing and describe the method of flush pointing. 5  
(b) Describe the method of application of oil bound distemper. 5
18. What is meant by energy survey? Explain the need of energy survey.

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