



c16-c-405

**6428**

**BOARD DIPLOMA EXAMINATION, (C-16)  
SEPTEMBER/OCTOBER - 2020  
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 the classification of buildings as per NBC.
2. Differentiate between 'bearing piles' and 'friction piles'.
3. Define (a) frog and (b) course with respect to bricks.
4. List out any four functions of lintels.
5. State any six advantages of steel trusses.
6. Define the term 'curing'. List out various methods of curing the concrete.
7. State any four objectives of formwork.
8. What is plastering? State any four objectives of plastering.

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9. Define termite proofing.
10. List out the objectives of building safety audit.

**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 soil exploration by Auger boring with its advantages and disadvantages.
12. Explain the method of providing under-reamed pile foundation along with the situations where they are found to be more suitable.
13. Explain with comparison between stone masonry and brick masonry constructions.
14. (a) What are the common types and special types of doors? 6  
(b) List out the fixtures and fastenings of doors and windows. 4
15. Explain the construction of cement concrete flooring.
16. Describe the method of brick layer's scaffolding with the aid of a sketch.
17. Explain the method of whitewashing for a new surface.
18. Define energy management. State the aims of energy management of buildings.

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