

**6428**  
**BOARD DIPLOMA EXAMINATION**  
**JUNE - 2019**  
**\* DIPLOMA IN CIVIL ENGINEERING**  
**CONSTRUCTION PRACTICE**  
**FOURTH SEMESTER EXAMINATION**

**Time: 3 Hours**

**Total Marks: 80**

**PART - A (3m x 10 = 30m)**

*Note 1: Answer all questions and each question carries 3 marks*

*2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences*

1. State any three functions of Plinth
2. Write the situations under which under reamed piles are used
3. State any three advantages of pre-cast concrete block masonry
4. State any two functions of lintel
5. Define a) Landing b) Head room c) Winder
6. Define the terms in pitched roof a) Hip b) Ridge c) Valley
7. State any three requirements of formwork
8. State any three objectives of plastering
9. What is termite proofing?
10. Define the term energy management in building

**PART - B (10m x 5 = 50m)**

*Note 1: Answer any five questions and each carries 10 marks*

*2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer*

11. Give the classification of buildings as per National Buildings code (N.B.C) with examples.
12. a) State any five methods of soil exploration  
b) Explain the method of soil exploration by Auger boring
13. a) Write a short note on hollow concrete block used in masonry.  
b) Explain the general principles to be followed in the construction of stone masonry.
14. State and Explain any five common and special types of doors with neat sketches.
15. Explain the method of fixing plaster of paris ceiling

16. Explain bricklayers scaffolding with help of neat sketch
17. Explain the method of distempering on new masonry walls
18. Explain the aim of energy management in buildings

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