



C16-C-405

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BOARD DIPLOMA EXAMINATION, (C-16)  
OCTOBER—2020  
DCE—FOURTH SEMESTER EXAMINATION  
CONSTRUCTION PRACTICE

Time : 3 hours ]

Total Marks : 80

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. List out component parts of a building.
2. Define :
  - (a) Ultimate bearing capacity
  - (b) Safe bearing capacity
3. State any four advantages of hollow concrete block masonry.
4. List out any six types of doors that are commonly used in buildings.
5. State the functions of ceiling.
6. Define the terms :
  - (a) Flight
  - (b) Pitch of staircases
7. List the requirements of good form work.

- \* 8. State the remedial measures to be taken to minimize the defects in plastering.
9. How the distemper is prepared for dry distempering?
10. Write a short notes on concept of green building.

**PART—B**

10×5=50

**Instructions :** (1) Answer *any five* questions.

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

(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. Explain the method of soil exploration by wash boring method with the help of neat sketch.
12. Draw the neat sketch of well foundation and explain the method of construction.
13. Explain the general principles to be followed during construction of stone masonry.
14. Draw the neat sketches of the following :  
 (a) Collapsible door  
 (b) Rolling steel shutter
15. (a) List out the classification of roofs. 2  
 (b) Draw a neat diagram of king-post truss and name the parts. 8
16. Explain :  
 (a) Tubular steel scaffolding  
 (b) Suspended scaffolding with neat sketches.
17. Describe the method of painting on wooden surface.
18. Explain the possible ways of energy management in buildings.

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