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C16-C-405

**6428**

**BOARD DIPLOMA EXAMINATION, (C-16)**

**JUNE/JULY—2022**

**DCE - FOURTH SEMESTER EXAMINATION**

*Time : 3 hours ]*

**CONSTRUCTION PRACTICE**

*[ 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 any three causes of dampness at basement level in a building.
2. State any three functions of foundation.
3. List the types of stone masonry.
4. List any six types of doors that are commonly used in buildings.
5. State any three requirements of a good floor.
6. Draw a neat sketch of king post truss and name the parts.
7. List the types of scaffolding.
8. Write any three objects of painting a surface.
9. State the objects of plastering.
10. Define energy audit.

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**PART—B**

10×5=50

- Instructions :** (1) Answer *any five* questions.  
(2) Each question carries **ten** marks.  
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Show the component parts of a building with the help of a neat sketch.
12. What are under-reamed piles? Explain the construction of under-reamed piles with the help of a neat sketch.
13. Explain english bond with a neat sketch.
14. Explain glazed window with the help of a neat sketch.
15. Explain dog legged staircase with a neat sketch.
16. State the advantages of steel formwork over timber formwork.
17. Explain the method of distempering a brick masonry wall.
18. Explain (a) preliminary audit and (b) detailed audit.

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