



**c14-c-306**

**4230**

**BOARD DIPLOMA EXAMINATION, (C-14)**

**OCT/NOV—2015**

**DCE—THIRD 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 a foundation in buildings.
2. Define ultimate and safe-bearing capacities of soils.
3. What is bond in masonry? Why is it essential?
4. Define the terms :
  - (a) Mullion
  - (b) Rebate
5. State any three differences between hipped roof and gable roof.
6. List any six types of decorative ceiling.
7. What are the various types of scaffolding?

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8. What is pointing? When do you recommend pointing to a masonry work?
9. Write any three objectives of painting.
10. What is solar energy? Write any two advantages 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. State any ten components of a building and explain their functions.
12. What is soil exploration? Explain the method of auger boring with a neat sketch.
13. Write the comparison between brick masonry and stone masonry.
14. Explain the various types of fixture and fastening of door.
15. Explain the method of providing standard weather proof course for RCC flat roof.
16. Draw and explain bifurcating staircase with a neat sketch.
17. Explain the method of white washing for new and old surfaces.
18. Write in detail about (a) preliminary audit and (b) detailed audit in energy audit.

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