

**4230****BOARD DIPLOMA EXAMINATION, (C-14)****JUNE-2019****DCE - THIRD SEMESTER EXAMINATION****CONSTRUCTION PRACTICE**

Time: 3Hrs

Max. Marks: 80

**PART-A****10x3=30M**

**Instructions:** 1) Answer all the questions. Each question carries 3 marks  
2) Answer should be brief & straight to the point and shall not exceed five simple sentences.

- 1) Write any six component parts of well foundation.
- 2) What is dampness? Write any two causes of dampness at the basement level.
- 3) Define the following terms:  
a) Frog    b) Bonding    c) Course.
- 4) What is lintel? Write any two functions of lintel.
- 5) List out any four types of Roof trusses.
- 6) Briefly explain the process of cement plaster flooring.
- 7) State any three advantages of Tubular scaffolding.
- 8) Write any three objectives of good painting.
- 9) How do you prepare the surface for Distemering?
- 10) Write about solar Energy and mention two advantages.

## PART-B

5x10=50M

**Intstructions:** 1) \*Answer any five questions Each question carried marks  
2) Answer should be comprehensive and the criterion for valuation is the content but not length of the Answer.

- 11) Write the classification of buildings as per NBC and also give examples for each classification.
- 12) Explain the construction of Raft foundation. Write any five advantages of Raft foundation.
- 13) Explain about English bond with a neat sketch of  $1\frac{1}{2}$  brick wall.
- 14) Explain the construction of panelled door with a neat sketch.
- 15) Briefly explain about the construction of :  
a) Marble flooring.                      b) Mosaic flooring.
- 16) Draw and explain Dog-Legged stair case with neat sketch.
- 17) What is meant by Termite proofing? Explain the method of Anti-termite treatment for the soil before constructing a building.
- 18) Explain any two energy audit questionnaire.

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