* 4230 *

C14–C–306

4230

BOARD DIPLOMA EXAMINATION, (C–14)

OCT/NOV—2018

DCE—THIRD 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 the component parts of a building.

2. State any three causes of dampness at basement level in a building.

3. What is bond in masonry? Why is it essential?

4. Explain the following terms :

(a) Mullion

(b) Holdfast

(c) Rebate

5. State the classification of pitched roofs.

6. List any six types of decorative ceiling.

7. State the classification of stairs.

8. What is pointing? When do you recommend pointing to masonry work.

9. Define termite proofing.

10. Write about the passive concept in heating of 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 criterion for valuation is the content but not the length of the answer.

11. What are under-reamed piles? Explain the construction of under-reamed piles with the help of neat sketch.

12. Explain the method of constructing spread foundation.

13. Explain brick masonry with sketch in English bond of one brick wall and one and half brick wall.

14. Explain the following types of door :

(a) Rolling shutters

(b) Collapsible door

15. Explain the method of providing standard weatherproof course for RCC flat roof.

16. List the types of scaffolding and state the advantages of tubular scaffolding.

17. Explain briefly the method of distempering the brick masonry wall.

18. Write in detail about *(a)* preliminary audit and *(b)* detailed audit in energy audit.

★ ★ ★