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C14–C–306

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BOARD DIPLOMA EXAMINATION, (C–14)

OCT/NOV—2017

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 any six component parts of a building.

2. Differentiate bearing piles and friction piles.

3. State six general principle to be observed during brick masonry constructions.

4. List any six types of doors that are commonly used in buildings.

5. State the functions of a roof.

6. State different weather proof courss on RCC roof.

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7. Define the following terms :

(a) Landing

(b) Flight

(c) Rise

8. State any six objectives of plastering.

9. State the objects of painting.

10. What are the 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. Classify the buildings as per NBC with examples.

12. Draw a neat sketch of well foundation and explain the method of construction.

13. Bring out the points of comparison between stone masonry and brick masonry.

14. Write short notes on the following : 3+3+4

(a) Sun shade

(b) Canopy

(c) Sun breaker

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15. *(a)* Explain any three types of pitched roof with sketches. 5

(b) List the different types of ceiling and explain any one type. 5

16. Explain the arrangement of form work for a column with a neat sketch.

17. What is meant by termite proofing? Explain the method of anti-termite treatment for the soil before constructing a building. 2+8

18. Define and explain building energy management system. 2+8

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