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BOARD DIPLOMA EXAMINATION, (C-16)

MARCH / APRIL — 2021

DCE — FOURTH SEMESTER EXAMINATION

CONSTRUCTION PRACTICE

Time : Three Hours]

[Maximum Marks : 80

PART-A

3×10=30

Instructions : (i) Answer **all** questions.
(ii) Each question carries **three** marks.
(iii) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. List the different methods of soil exploration.
2. State the classification of buildings as per NBC.
3. Define the following terms :
 - (a) Stretcher
 - (b) Course
 - (c) Frog
4. Define the following terms :
 - (a) Mullion
 - (b) Horn
 - (c) Holdfasts
5. List out any four types of roof.

6. What is spiral staircase ? Where is it used ?
7. State the advantages of tubular scaffolding.
8. How sand faced ^{*} finish is obtained ?
9. Define the following terms :
 - (a) daubing
 - (b) hacking
 - (c) cracking
10. List out the solar energy utilities.

PART-B

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

11. Explain the procedure for laying the damp proof course at the basement.
12. What are the advantages of Raft Foundation ? Briefly explain the method of construction. 3+7=10
13. What is Rubble masonry ? State various factors to be considered while constructing Rubble masonry of any type.
14. Describe the methods of manufacturing of Flush doors. Draw a neat sketch of solid core flush door. 3+7=10
15. State and explain the requirements of good floor. 2+8=10
16. Write the construction of formwork for slab and beam with the aid of a neat sketch.
17. State three objectives of painting and describe the method of paintings on wood surface.
18. Explain the benefits associated with the use of building energy management system.

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