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**BOARD DIPLOMA EXAMINATION, (C-09)
SEPTEMBER/OCTOBER - 2020
DCE—FOURTH 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. Define the terms (a) safe bearing capacity and (b) ultimate bearing capacity.
 2. State any three advantages of hollow concrete block masonry.
 3. What do you understand by the terms (a) mullion, (b) holdfast and (c) rebate?
 4. Draw a neat sketch of RCC lintel showing the longitudinal section details.
 5. Write any four disadvantages of flat roofs.
 6. Write about the terms (a) span, (b) pitch of the roof and (c) ridge piece.
 7. What are the objectives of formwork?
 8. What is plastering? State any three objectives of plastering.

- * 9. State four causes of occurrence of cracks.
10. State various annual maintenance works in buildings.

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. Describe the method of soil exploration by Auger boring with its advantages and disadvantages.
12. What are the advantages and disadvantages of cast-in-situ concrete piles?
13. Explain with a neat sketch of one brick wall and one and half brick wall of English bond.
14. Write short notes on (a) sun-shade, (b) canopy and (c) sun-breaker.
15. Describe the method of construction of marble flooring and marbonite flooring.
16. List the types of scaffolds and explain with sketch the tubular steel scaffolding.
- * 17. What is meant by termite proofing? Explain the method of anti-termite treatment for the soil before constructing a building.
18. State the types of failures due to ignorance and negligence and state any three remedies.
