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**BOARD DIPLOMA EXAMINATION, (C-09)
MARCH/APRIL—2017
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. What is soil exploration? State any four objectives of soil exploration.
2. Define the terms (a) stretcher, (b) course and (c) frog.
3. Define the terms (a) mullion, (b) horn and (c) holds fasts.
4. State the functions of sunshades and sun breakers.
5. State any six functions of roofs.
6. List any six types of flooring in buildings.
7. State any three requirements of formwork.
8. Define the terms (a) daubing, (b) hacking and (c) cracking.

- * 9. Distinguish between structural failures and non-structural failures.
10. State the 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. (a) Explain briefly an auger method of soil investigation.
(b) What are the situations that demand a pile foundation?
12. Write about the prevention of dampness at base level.
13. State the general principles to be observed during brick masonry construction.
14. (a) Explain briefly the casement window with sketch.
(b) Write a short note on clerestory ventilator.
15. Describe the method of construction marble flooring.
16. (a) List the types of scaffolding and explain with sketch tubular steel scaffolding.
(b) State the principles of location of staircase.
17. (a) State three objects of pointing and describe the method of flush pointing.
(b) Describe the method of application of oil bound distemper.
- * 18. Briefly explain the various failures which may develop in plastering and remedial measures to be taken.

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