



C09-C--306

3222

**BOARD DIPLOMA EXAMINATION, (C-09)
OCTOBER/NOVEMBER-2018
DCE-THIRD SEMESTER EXAMINATION**

CONSTRUCTION MATERIALS

Time : 3 Hours]

[Total Marks: 80

PART-A

3X10=30

- Instructions :**
1. Answer **All** questions.
 2. Each question carries **Three** marks.
 3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. State physical classification of rocks and also give an example for each.
2. List various operations involved in the process of manufacture of bricks.
3. State three characteristics of good sand.
4. Define the terms
 - i. Initial setting time of cement
 - ii. Final setting time of cement
5. State the usual properties of cement mortar for any three civil engineering works.
6. State the ingredients of concrete and give their functions.
7. List the uses of varnish
8. State the ingredients of paint
9. State three uses of Eco-Boards.
10. State any three objectives of seasoning of timber.

PART-B

10X5=50

Instructions : *

1. Answer any **Five** questions
2. Each question carries **ten** marks.
3. Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Define 3rd normal form. What are the problems encountered in tables are not in 3rd NF.

12. Describe the overall database system structure with block diagram.

13. List and explain DML commands.

14. Explain, the procedure for creating, alternating and dropping a sequence, with examples.

15. Explain the data types of PL/SQL with examples.

16. List and explain the different modes of parameters?

17. Explain about package dependencies and standards.

18. (a) Explain format models for data and number in SQL.

(b) What are the restrictions on check constraint?

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