



C16-C-305

6226

BOARD DIPLOMA EXAMINATION, (C-16)  
OCT/NOV—2018  
DCE—THIRD SEMESTER EXAMINATION  
CONSTRUCTION MATERIALS

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 three common varieties of stones.
2. Write a short note on Fly ash bricks.
3. State any three requirements of floor Tiles.
4. State the uses of Stone ware pipes.
5. List any three uses of rapid hardening cement.
6. List the ingredients of Reinforced Cement Concrete.
7. List the different proportions of Mortars for various works.
8. State any three properties of Enamel paint.
9. Define Seasoning of Timber.
10. List any three materials used for Green buildings.

**PART-B**

10×5=50

- \* **Instructions :** (1) Answer *any five* questions.  
(2) Each questions carries **ten** marks.  
(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. Explain the Physical clasification of Rocks.
12. Describe in detail the water absorption test conducted on Bricks.
13. Explain the need for quarry dust and Robo Sand as a substitute to Sand.
14. Explain any four tests on cement as per I.S
15. Explain about Ready-mix Concrete.
16. List the steps involved in the procedure of mixing, conveying, placing, compaction and curing of Concrete.
17. Describe the constituents of Varnishes and paints.
18. Explain the suitability of different types of Glasses as a building material.

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