

6226

BOARD DIPLOMA EXAMINATION, (C-16)

MAY/JUNE—2023

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 the characteristics of good building stones.
2. List the standard tests on bricks.
3. State the uses of stoneware pipes.
4. State the percentage of bulkgage allowance for construction work.
- * 5. List the uses of various cements.
6. Define water-cement ratio.
7. List different curing compounds.
8. Give the composition of paints.
9. List the uses of surface protective materials.
10. List the uses of glass.

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PART—B

10×5=50

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

- 11.** Explain physical classification of rocks.
- 12.** Explain the water absorption test conducted on bricks.
- 13.** List the uses of porcelain and glazed tiles.
- 14.** Explain the following tests on cement :
 - (a) Consistency
 - (b) Setting times
- 15.** Explain the purpose of sieve analysis test on coarse and fine aggregates.
- 16.** Explain the method of preparing concrete.
- 17.** Explain the importance of seasoning of timber.
- 18.** Explain the suitability of different types of glasses as a building material.

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