

**6226**

**BOARD DIPLOMA EXAMINATION, (C-16)**

**OCTOBER/NOVEMBER—2023**

**DCE - THIRD SEMESTER EXAMINATION**

**CONSTRUCTION MATERIALS**

*Time : 3 Hours ]*

*[ Total Marks : 80*

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**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. State the physical classifications of rocks.
2. State any three characteristics of good bricks.
3. State three types of tiles.
4. State three uses of stoneware pipes.
5. What is meant by hydration of cement?
- \* 6. Differentiate fine aggregate and coarse aggregate.
7. State three types of mortar.
8. State any three types of paints.
9. Write a short note on emulsion paints.
10. Define the term seasoning of timber.

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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 the characteristics of good building stones. 10
- 12.** Describe the working and construction of Pugmill. 10
- 13.** State the uses of (a) Glazed ware and (b) Porcelain tiles. 10
- 14.** Describe the method of manufacturing cement by dry process. 10
- 15.** Write short notes on (a) Ready mixed concrete and (b) Shotcrete. 10
- 16.** (a) What is meant by admixtures? State different types of admixtures in concrete. 5  
(b) Explain the method of preparing concrete. 5
- 17.** Write short notes on (a) Gypsum and (b) Plaster of Paris. 10
- 18.** Define veneer and write its uses. 10

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