



c09-c-306

**3222**

**BOARD DIPLOMA EXAMINATION, (C-09)**

**OCT/NOV—2013**

**DCE—THIRD SEMESTER EXAMINATION**

**CONSTRUCTION MATERIALS**

*Time : 3 hours ]*

*[ Total Marks : 80*

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**PART—A**

**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. Explain the term dressing of stones.

2. Write short note on stoneware and pipes.

3. State the characteristics of good sand.

4. State the chemical composition of Portland cement.

5. What are the benefits of curing?

6. Define the term water cement ratio.

7. What is meant by the term vehicle in painting?

8. Explain about distemper.

9. List the applications of Geo-textiles and Geo-membranes.

10. Explain about fiber glass and its uses.

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**PART—B**

- 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) Write the physical classification of rocks.  
(b) List the properties and uses of Granite stone.
- 12.** State the characteristics of good bricks.
- 13.** List and explain various types of tiles.
- 14.** Write about the properties and uses of OPC and quick setting cement.
- 15.** (a) Explain the method of preparation of concrete by machine mixing.  
(b) Explain briefly about reinforced cement concrete.
- 16.** (a) Explain the method of preparation of cement mortar by hand mixing.  
(b) What is ready mix concrete? List various advantages of using it.
- 17.** Explain briefly about enamel and wax polish.
- 18.** State various characteristics of good timber.

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