



C14-C-305

4229

BOARD DIPLOMA EXAMINATION, (C-14)
OCT/NOV—2018
DCE—THIRD SEMESTER EXAMINATION
CONSTRUCTION METERIALS

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 common varieties of stones used in construction.
2. Write any six characteristics of a good brick.
3. What is porcelain? What are its properties.
4. Write any two differences between pit sand and river sand.
5. State the classification of cement.
6. Define the terms reinforced cement concrete and plain concrete. State their ingredients.
7. What is french polish and wax polish.
8. State any six advantages of plastics.
9. Define workability and water cement ratio.
10. State three uses of eco-boards.

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.** (a) Classify physically the rocks.
(b) Six characterstics of good building stons.
- 12.** (a) Explain about fly ash bricks.
(b) Explain about compressive strength test of bricks.
- 13.** Explain the manufacturing of stoneware pipes. Mention its uses.
- 14.** Describe any two tests on cement.
- 15.** (a) Describe the method of mixing concrete by hand mixing.
(b) Explain the importance of hydration of cement.
- 16.** (a) What are the characteristics of good concrete?
(b) Write any four advantages of Ready Mix Concrete.
- 17.** Explain about (a) Distempers, (b) Enamel paints.
- 18.** Describe the method of kiln seasoning with its advantages and disadvantages.

* * *