

6226
BOARD DIPLOMA EXAMINATION
JUNE - 2019
DIPLOMA IN CIVIL ENGINEERING
CONSTRUCTION MATERIALS
THIRD SEMESTER EXAMINATION

Time: 3 Hours

Total Marks: 80

PART - A (3m x 10 = 30m)

Note 1: Answer all questions and each question carries 3 marks

2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. Define the terms Rock and Stone?
2. Name the classification of bricks as per I.S.I
3. State the features of river sand
4. What is meant by bulkage allowance.
5. State the classification of cement
6. What are the functions of mortar?
7. Describe any two methods of curing of concrete?
8. What are the characteristics of a Distemper?
9. State the composition of enamel paint
10. State any three advantages of float glass

PART - B (10m x 5 = 50m)

Note 1: Answer any five questions and each question carries 10 marks

2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. Explain any four common varieties of stones used in different items of constructions
12. Describe the stages of drying and burning of bricks in the brick manufacturing process
13. Explain the process of manufacturing stone ware pipes and mention its uses
14. a) Explain the properties of ordinary Portland cement
b) Explain the uses of ordinary Portland cement
15. What is water cement ratio and explain its effect on strength and workability of concrete

16. Explain the classification of mortars
17. Describe the method of manufacturing plywood .state advantages of plywood *
18. Describe the method of kiln seasoning state the advantages and disadvantages of kiln seasoning

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