6226

BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 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. What is meant by Dressing of stone
2. State any three advantages of burning of bricks by hoffmans kiln
3. How does soft porcelain is different from hard porcelain
4. Explain how crushed stone powder is a substitute for sand
5. Explain any three ingredients of cement
6. State the uses of cement mortar
7. What is meant by ready mix concrete?
8. Explain i)Emulsion paint ii)Wax polish
9. State the ingredients in paints?
10. State any six advantages of plastics

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 the classification of rocks with one example for each
12. Explain IS specifications for bricks
13. a)What are the different types of sand? Explain
    b) Explain about i)Porcelain tiles ii)Glazed tiles
14. Explain the method of determining initial setting time of given cement sample
15. Explain the procedure for water absorption test for the fine aggregate
16. State the advantages and disadvantages of ready mix concrete

17. **What is plywood? List the uses of plywood**

18. Explain any four special types of glass

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