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C16-C-305

6226

BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2021

DCE - THIRD SEMESTER EXAMINATION

CONSTRUCTION MATERIALS

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. State three common tools required for dressing of stones.
2. List three types of tests on bricks.
3. State any three functions of sand.
4. State any three characteristics of good tiles.
5. State any three types of cement.
6. Define concrete and state its ingredients.
7. State any three types of admixtures.
8. Explain about (a) vehicle and (b) drier, in surface protective materials.
9. State the compositions of Enamel paints.
10. State any three characteristics of good 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 properties and state the uses of any five common varieties of stones.
12. Describe the method of Burning of Bricks in Hoffman's Kiln.
13. State different types of sand and briefly explain characteristics of good sand.
14. Explain briefly about Blended cement.
15. What is meant by curing? Explain briefly different methods of curing.
16. Explain the procedure of mixing, conveyance, placing, and compaction of concrete.
17. State the uses of (a) veneers and (b) plywood.
18. Explain different commercial forms of glass.

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A.A.N.M&V.H.R.S.R POLYTECHNIC, GUDLAVALLURU, KRISHNA, AP

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