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C16-C-305

6226

BOARD DIPLOMA EXAMINATION, (C-16)

JUNE/JULY—2022

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. Define the term dressing of stones.
2. Name three characteristics of bricks as per ISI.
3. Define bulking of sand.
4. State any three characteristics of good tiles.
- * 5. State any three uses of white cement.
6. State three uses of cement mortar.
7. What is meant by curing of concrete?
8. State three purposes of surface protective materials.
9. State three constituents of paints.
10. State three advantages of plastics.

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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 the classifications of rocks with one example for each.
12. Explain any two standard tests on bricks.
13. State functions of sand and explain how stone powder is a substitute for sand.
14. State tests to be conducted on cement and explain any one method.
15. Describe method of mixing of concrete by hand mixing.
16. Explain about ready mix concrete.
17. Define the term seasoning of timber and write main objectives of seasoning of timber.
18. What is fiber reinforced plastic? State its applications in building industry.

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