

Code : 15CE-11T

Register
Number

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I Semester Diploma Examination, April/May-2019

MATERIALS OF CONSTRUCTION

Time : 3 Hours]

[Max. Marks : 100

- Note : (i) Answer any **six** questions from Part – A.
(ii) Answer any **seven** questions from Part – B.

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PART – A

1. What are the qualities of a good building stone ? 5
2. Write short note on preservation of stones. 5
3. List the properties of good building bricks. 5
4. Explain field tests conducted on bricks. 5
5. Write short note on seasoning of timber. 5
6. Draw the cross-section of an Exogenous tree and name the parts. 5
- Explain the composition of ordinary Portland cement. 5
8. What are the precautions to be taken in storing of cement ? 5
9. Write the properties of cast iron. 5

PART – B

0. Briefly explain the physical and chemical classification of Rocks. 10
1. Explain the method of Quarrying by blasting. 10

12. Explain burning of bricks in Hoffman's Kiln with a neat sketch. 10
13. Briefly explain the ingredients and their functions of good brick earth. 10
14. Explain the defects in timber due to natural forces. 10
15. Explain briefly the conversion of timber and list the market forms of timber. 10
16. Explain the burning process of ordinary portland cement. 10
17. What are the objects of paints ? Give the characteristics of good paint. 10
18. Write the properties and uses of Mild Steel and Tor Steel. 10
19. What is an alloy ? List the types of copper alloy. And give the properties and uses of copper alloy. 10

