

1246

Code : 15AR12T

Register
Number

--	--	--	--	--	--	--	--	--	--

I Semester Diploma Examination, April/May-2019

MATERIALS OF CONSTRUCTION - I

Time : 3 Hours]

[Max. Marks : 100

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

PART – A

5 × 6 = 30

1. Write a note on artificial stones. 5
2. Discuss the engineering uses of stones. 5
3. Distinguish fat lime and hydraulic lime. 5
4. List the properties of good building bricks. 5
5. Sketch the cross-section of an exogenous tree. 5
6. Summarize the engineering aspects of timber. 5
7. Outline the sources of fine aggregate. 5
8. List the characteristics of clay tiles. 5
9. Identify the market forms of timber. 5

PART - B

 $10 \times 7 = 70$

- | | |
|---|----|
| 10. Explain the classification of stones. | 10 |
| 11. Discuss the characteristics of good stone. | 10 |
| 12. Explain the classification of lime. | 10 |
| 13. Summarize ingredients of good brick Earth. | 10 |
| 14. Write a short note on soil stabilized blocks and clay blocks. | 10 |
| 15. Explain the types of clay tiles with relevant sketches. | 10 |
| 16. State the functions of fine and coarse aggregate in concrete. | 10 |
| 17. Discuss the methods of seasoning of timber. | 10 |
| 18. Elaborate the defects in timber due to natural forces. | 10 |
| 19. Identify the properties and uses of Block Board and Particle Board. | 10 |
-