

1098**Code : 15AR12T***Register
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I Semester Diploma Examination, Nov./Dec. 2018**MATERIAL OF CONSTRUCTION – I****Time : 3 Hours]****[Max. Marks : 100**

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

PART – A

1. Discuss sedimentary rocks. 5
2. Explain briefly the following : 5
 - (a) Granite
 - (b) Marble
3. Define Calcination and Slaking. 5
4. What are the constituents of good brick earth ? 5
5. Describe the uses of refractory bricks. 5
6. Define tile and explain types of tiles. 5
7. Write short note on fine and coarse aggregates. 5
8. List the properties of good timber. 5
9. Differentiate between exogenous trees and endogenous trees. 5

PART – B

10. Explain the physical classification of rocks. 10
 11. Discuss characteristics of a good building stone. 10
 12. Define Lime. Explain the sources and uses of lime. 10
 13. Classify burnt bricks based on the method of manufacturing process and explain in detail. 10
 14. Write short notes on stabilized soil blocks and fly-ash bricks. 10
 15. Explain the advantages and uses of ceramic tiles. 10
 16. Discuss sources of fine and coarse aggregates. 10
 17. Draw a neat cross-section of an exogenous tree and describe the components. 10
 18. Explain the defects in timber due to insects. 10
 19. What is meant by Industrial timber ? Explain its varieties. 10
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