

**11093****Code : 15AR12T***Register  
Number*

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**I Semester Diploma Examination, April/May-2018****MATERIAL OF CONSTRUCTION - I****Time : 3 Hours ]****[ Max. Marks : 100**

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

**PART – A**

1. List the uses of stones. 5
2. Distinguish between Igneous and Sedimentary rocks. 5
3. Define the following : 5
  - (i) Calcination
  - (ii) Slaking
4. Classify various types of bricks based on shape. 5
5. Explain ingredients of good brick earth. 5
6. Write a note on ceramic tiles. 5
7. What are the sources of fine aggregate ? 5
8. Differentiate hardwood and softwood. 5
9. List properties of good timber. 5

**PART – B**

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| 10. Explain the geological classification of rocks.  | 10 |
| 11. Discuss qualities of a good building stone ?   | 10 |
| 12. Explain classification of lime.  | 10 |
| 13. Write short notes on Habilitized soil blocks and fly ash bricks.                       | 10 |
| 14. State requirements of a good brick.  | 10 |
| 15. Write a note on vitrified tiles.   | 10 |
| 16. What are the properties of fine and coarse aggregate ? Explain their role in concrete. | 10 |
| 17. Draw a neat cross-section of an Exogenous tree and describe the components.            | 10 |
| 18. Explain the defects in timber due to natural forces.                                   | 10 |
| 19. Describe the various market forms of timber.   | 10 |
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