

1023**Code : 15CE11T***Register
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I Semester Diploma Examination, April/May-2017**MATERIALS OF CONSTRUCTION****Time : 3 Hours |****| Max. Marks : 100****Note :** Answer any **six** questions from **PART-'A'** and any **seven** full questions from **PART-'B'**.**PART - A**

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| 1. What are the characteristic of good stone ? | 5 |
| 2. Briefly explain the classification of stone. | 5 |
| 3. Explain the burning of bricks in a clamp with a neat sketch. | 5 |
| 4. What are the field test conducted on bricks ? | 5 |
| 5. List the market form of timber. | 5 |
| 6. Explain with sketch the cross section of an exogenous tree. | 5 |
| 7. List the physical properties of cement. | 5 |
| 8. What are the precaution to be taken in storing of cement ? | 5 |
| 9. What are the properties of cast iron ? | 5 |

PART - B

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| 10. Briefly explain physical and chemical classification of rocks. | 10 |
| 11. Explain the method of quarrying by blasting. | 10 |
| 12. List the usefulness and ingredient of good bricks earth. | 10 |
| 13. Explain the crushing strength test and absorption test conducted on bricks. | 10 |

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| 14. Explain the defects in timber due to insects. | 10 |
| 15. List the qualities of good timber. | 10 |
| 16. Draw and label the parts of longitudinal section of a tube mill in cement and explain. | 10 |
| 17. What are the ingredient of Paint and what are the characteristic of good paint. ? | 10 |
| 18. List the properties and uses of alluminium. | 10 |
| 19. (a) List the properties of Tin. | 5 |
| (b) List the properties of Zinc. | 5 |
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