

Total No. of printed pages = 2

CT-301/CM/3rd Sem/2015/M

CONSTRUCTION MATERIALS

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks for the questions.

Answer any *five* questions.

1. (a) What is meant by disease of timbers ? 3
(b) What are its causes and preventive measures ? 11
2. (a) What are adhesives and how they are classified ? 4
(b) What are the basic ingredients of oil paints? Describe the functions of each ingredient. 10
3. (a) What are cast iron and wrought iron ? 4
(b) Define glass and its types with properties and uses. 10

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4. (a) What are the ingredients of cement ? Explain the function of each ingredient. 10
- (b) What are silicious and argillaceous rocks? Give examples. 4
5. Describe the different methods of quarrying of stones and their applications under varying geological conditions. 14
6. (a) How do you classify bricks ? Describe briefly the qualities and properties of different classes of bricks. 10
- (b) Discuss briefly the characteristics of a good tile. 4
7. Write short notes on the following : 14
- (i) Rubber
 - (ii) Cup-shakes
 - (iii) Veneers
 - (iv) Type of mortar
 - (v) Workability
 - (vi) Initial setting time of cement
 - (vii) Physical properties of cement.