

2023

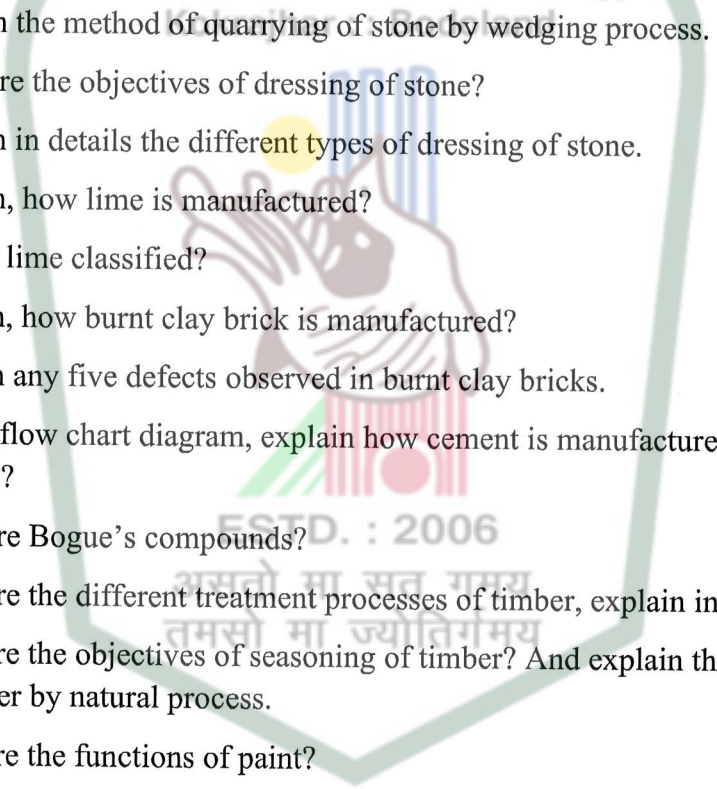
**CONSTRUCTION MATERIALS**

*Full Marks : 100*

Time : Three hours

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

*Answer any five questions.*

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1. a) Explain the method of quarrying of stone by wedging process. 07  
b) What are the objectives of dressing of stone? 03  
c) Explain in details the different types of dressing of stone. 10
  2. a) Explain, how lime is manufactured? 10  
b) How is lime classified? 10
  3. a) Explain, how burnt clay brick is manufactured? 10  
b) Explain any five defects observed in burnt clay bricks. 10
  4. a) With a flow chart diagram, explain how cement is manufactured by wet process? 10  
b) What are Bogue's compounds? 10
  5. a) What are the different treatment processes of timber, explain in details. 12  
b) What are the objectives of seasoning of timber? And explain the seasoning of timber by natural process. 08
  6. a) What are the functions of paint? 06  
b) Depending on the constituents, how is glass classified? 09  
c) Write the applications of plastics in construction? 05