

(3 Hours)

[Total Marks : 80]

- N.B. :** (1) Question No. 1 is **compulsory**.  
 (2) Attempt any **three** questions out of remaining questions.  
 (3) Assume any **data** if **necessary**.

1. Explain the following :-
    - (a) Bricks and their manufacturing process. 5
    - (b) Paver blocks. 5
    - (c) Masonry finishes. 5
    - (d) Preservative treatment for timber. 5
  
  2.
    - (a) Compare paints and varnishes. 5
    - (b) Acid Test on stones. 5
    - (c) Different grade of cement. 5
    - (d) Plaster of paris. 5
  
  3.
    - (a) Define glass. List various types of glasses and State their specific use in construction industry. 7
    - (b) What is seasoning of timber. What are various methods of seasoning? Explain any two methods in detail. 8
    - (c) Write short note on combined footing. 5
  
  4.
    - (a) Elaborate different types of floors and roofs for residential buildings. 8
    - (b) Explain water proofing materials and methods involved in water proofing. 8
    - (c) Write short note on under reamed pile foundation. 4
  
  5.
    - (a) Acoustics and its defects. 5
    - (b) Air conditioning. 5
    - (c) What are good qualities of good building stone. 5
    - (d) Sound insulation. 5
  
  6.
    - (a) Mention general rules to be observed to avoid the failure of form work for concrete structures. 8
    - (b) Differentiate between ferrous and non ferrous metals. State its use. 8
    - (c) Write short note on flooring tiles. 4
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