

- 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