

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

1. Write short notes on (any **four**) :— 20  
(a) Defects of timber  
(b) Types of brick bonds  
(c) Compare Brick masonry and Stone masonry  
(d) Non ferrous products in construction  
(e) Explain fire load and its different clauses.
2. (a) Explain different types of mortar and concrete used in construction. 8  
(b) What is glass ? Give its types and uses ? 7  
(c) Write short note on grade of cement. 5
3. Write short notes on :— 20  
(a) Test on brick  
(b) Plastering and pointing  
(c) Effect of improper curing  
(d) Air conditioning.
4. Write short notes on :— 20  
(a) Acoustics and sound insulation  
(b) Flooring materials  
(c) Compare load bearing and framed structure  
(d) Plumbing.
5. Write short notes on :— 20  
(a) State requirement of ideal formwork  
(b) Water proofing and damp proofing  
(c) Acid test on stones  
(d) Plaster of paris and its products.
6. (a) State various types of paints with their specific use. 7  
(b) Define ventilation. Explain systems of ventilation. 6  
(c) Explain in detail seasoning of timber. 7
-