

80 Marks

3 Hours

N. B. 1. Question no. 1 compulsory.

2. Answer any three questions out of remaining
3. Assume any data, if required and state them clearly
4. Attempt sub questions in order
5. Illustrate answer with neat sketches wherever required
6. Figures to the right indicate full marks.

1. (a) Explain Quarrying of stones. [5]
 (b) Explain with neat sketches types of pointing. [5]
 (c) What qualities in bricks are essentially required from construction point of view? [5]
 (d) Compare framed structure and load bearing structure. [5]
2. (a) Explain Defects in timber with neat sketches. [10]
 (b) Explain brick manufacturing process in detail. [10]
3. (a) Explain types of air-conditioning systems. [7]
 (b) Explain in detail acoustical defects. [6]
 (c) Comment, with relevant examples, various metal and non-metal products used in construction. [7]
4. (a) Define Plastering ? Give its types. Explain the procedure of plastering on new surface. [10]
 (b) List out different types of paints. Explain with sketches various defects in paints. [10]
5. (a) Comment on the physical properties of cement. [10]
 (b) List down various types of flooring. Explain floor finishes and their suitability [10]
6. Write short notes on any four [20]
 - (a) Water proofing materials
 - (b) Varnishes – types & uses
 - (c) Glass fibre reinforced plastic
 - (d) Cement types & its uses
 - (e) Types of foundation
 - (f) Centering and Shuttering