

4. a) Distinguish between : (Any *three*)
- English bond and Flemish bond.
  - Rubble Masonry and Ashler Masonry.
  - Thermo plastics and Thermosetting Plastics.
  - Stucco Plaster and Water Proof Plaster.
- b) Discuss in brief the different types of scaffold systems used in vogue in this part of the country. (4×3)+8=20
5. a) What can be the common forms of foundation failures ?
- b) Annotate :- (with neat sketches)
- Double Flemish bond.
  - Cavity Walls
  - Intrados
- c) Describe the different types of stone masonry.  
7+(3×3)+4=20
6. a) Discuss the different types of Stone masonry.
- b) State in brief the purpose of plastering. Why is plastering uncommon in Europe ? 10+10=20
7. a) Discuss the developmental forms of plastics in modern day construction.
- b) Discuss with sketch the different moulding variety of plastics. 10+10=20

**BACHELOR OF CONSTRUCTION ENGG. EXAMINATION, 2009**

( 2nd Year — 1st Semester)

**MATERIALS OF CONSTRUCTION**

Time : Three hours

Full Marks : 100

Answer any five questions.

Answer to the questions should be given in a serial manner with all parts of the same question written together.

Please use a fresh page while answering a new question or any part of a new question.

- a) Discuss in brief the classification of bricks for building construction as per IS : 1077 : 1971.

b) Enumerate the steps and acceptance criteria for the different tests of bricks. 10+10=20
- a) State a few practical applications of Epoxy Adhesive injections.

b) Discuss the applicability of 'EP - IS' as per the standard specifications and relevant ASTM standards. 7+13=20
- a) Discuss the various types of stairs in brief.

b) State & discuss the various technical terms used in construction of stairs. 10+10=20