

III B.Tech II Semester Supplementary Examinations, April/May 2005
ESTIMATING AND CONTRACTS
(Civil Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. List out the standard specifications for the following items in the construction of class 'B' residential building:
 - (a) Foundation concrete
 - (b) 12.5cms walls
 - (c) R.C.C. sunshades
 - (d) Inside plastering
2. What are the various types of estimates normally required to be prepared in P.W.D.? Give the purpose and basis of preparation of each estimate.
3. List out the items required for preparing detailed estimate of a simple flat roof two roomed residential building.
4. (a) What is meant by Analysis of Rate? Mention various purposes of Rate Analysis.
(b) List out the factors affecting Rate Analysis. State the requirements of Rate Analysis.
5. Give rate analysis for:
 - (a) 100 sq.m of 2.0 cm thick c.c. 1:3:6 flooring.
 - (b) 10 cu.m of brick masonry in 1:6 cement mortar. Assume suitable data and work out the rates.
6. Define the term contract. What are the essential requirements of a valid contract? Write in brief about each essential requirement.
7. (a) List out the items that are to be given in detailed specifications.
(b) List out the main points which should be kept in view, while preparing the specifications.
8. Write down the detailed specifications of Mosaic or terrazzo floor.
