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SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E - CIVIL

Title of the Paper: Estimation, Costing & Valuation Max. Marks: 80

Sub. Code: 620702

Time: 3 Hours

Date: 31/08/2010

Session: FN

PART - A

(10 x 2 = 20)

Answer ALL the Questions

1. What is meant by Detailed Estimate?
2. Explain the two systems adopted in taking quantities.
3. What are the different types of estimates?
4. What is meant by schedule of rates?
5. What do you mean by earnest money deposit?
6. What are the different types of Tender?
7. What are the various responsibilities of Engineer?
8. What do you mean by Termination of contracts?
9. Define the term valuation.
10. What are the purposes of valuation?

PART – B

(5 x 12 = 60)

Answer All the Questions

11. The plan and sectional elevation of a building are given in fig: Estimate the quantities of the following items of work of the building.
 - (a) Earth work excavation in foundations
 - (b) R.C.C. work in Roof slab.

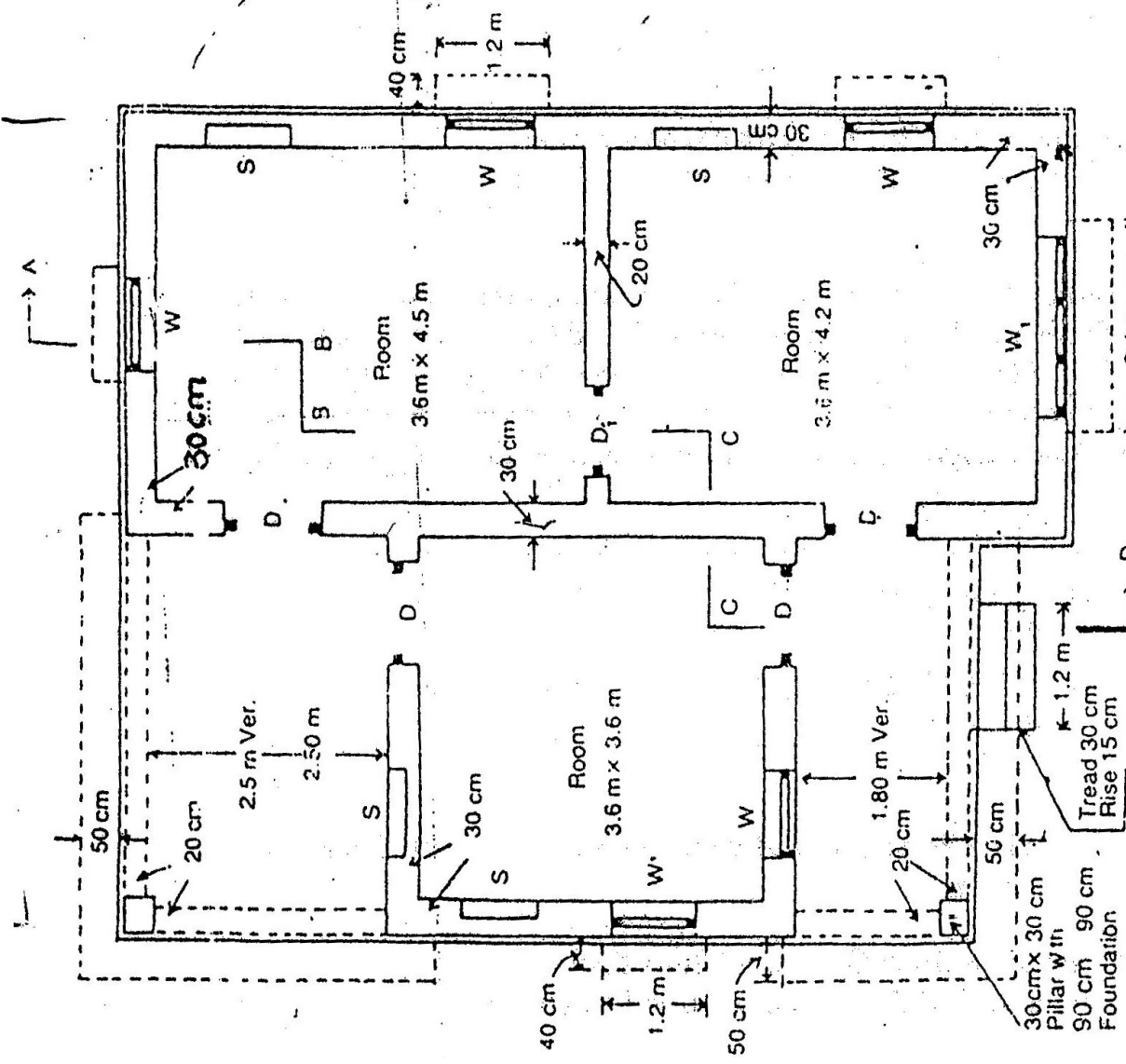
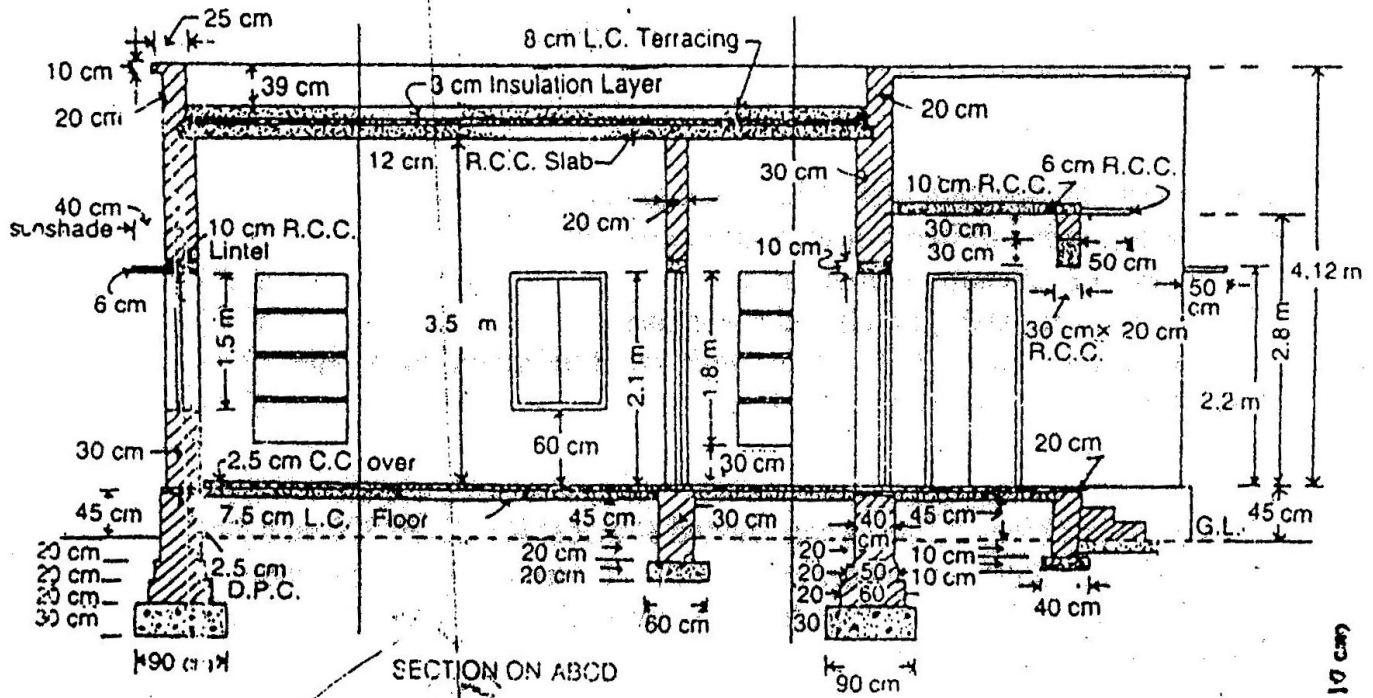
(or)
12.
 - (a) R.C.C. work in lintel Beam.
 - (b) Painting doors and windows.
13. Assuming current schedule of rates for materials and labour, prepare data for the following items of work
Plastering walls in cm 1:5 – 12mm thick.

(or)
14. Explain methods of approximate estimation by suitable examples.
15. Explain in detail the tender notice, by writing the typical tender notice, giving all the details.

(or)
16. Write short notes on the following
 - (a) Standard Measurement book
 - (b) Security Deposit
17. Explain the following:
 - (a) Arbitration
 - (b) Construction litigation

(or)
18. Write the various problems faced by contractors and clients, explain and also give the remedial measures for solving them.
19.
 - (a) Enumerate the different methods of valuation of a building
 - (b) How is the fixation of rent for a building done?

(or)
20.
 - (a) What are the factors affecting the value of plot and building?
 - (b) What is depreciation? What are the methods of determining the depreciation?



Doors and Windows

- D-100 cm x 210 cm
- D-90 cm x 210 cm
- S-90 cm x 180 cm
- W-90 cm x 150 cm
- W-180 cm x 150 cm
- W-180 cm x 150 cm

Chpukhats 8cm x 10 cm