

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Environmental Engineering

Semester: 4

Subject Name: PRACTICES OF ESTIMATING AND COSTING

Sr. No.	Course Content
1.	Estimate of R.C.C. Compound wall
2.	Estimate of residential building up to plinth
3.	Estimate of Single storey Residential building
4.	Estimate of R.C.C. items like Lintel with lintel band., Weather shed, Beam, Column with column footing, Slab
5.	Estimate of R.C.C. retaining wall
6.	Estimate on internal plumbing and House drainage
7.	Estimate of environment related structures like Manhole/Inspection chamber, Low Cost Latrine, Soak pit, Pump House/Rectangular Sump
8.	Material calculation for building estimates

- Assessment should be continuous and progressive.
- Student should be provided an opportunity to calculate quantities independently.
- Lectures should be arranged before starting the practicals.

REFERENCES BOOKS:

1. I.S 1200 Part I to XXV (Revised) B.I.S. Publication
2. Estimating & Costing in Civil Engg. B.N. Dutta
3. Estimating & Costing (Civil Engg.) S.C.Rangwala
4. Estimating & Costing M.C.Chakraborty
5. A text book of Estimating & Costing G.S.Birdie
6. Estimating & Costing Vazirani & Chandola
7. Fundamentals of Public Works procedures and accounts K.N.Pandya
8. Construction Management and accounts Vazirani & Chandola
9. Estimating & Costing in Civil Engg.theory and Practice B.N.Dutta
10. Construction Planning, equipment and methods R. L.Peurifoy
11. PWD Handbooks (Vol. I & Vol. II) Govt.of Gujarat
12. I.S. code 1200 (Part I to XXX) B.I.S., Delhi
13. Civil Estimating costing & valuation. Amarjit Aggarwal & A.K. Upadhyay