

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA IN TRANSPORTATION ENGINEERING
Semester: 4

Subject Name Quantity Survey and Costing Practices

LIST OF EXERCISES FOR TERM WORK AND PRACTICE

Sr. NO.	Particulars
1.	Detailed estimate of septic tank
2.	Detailed estimate of soak pit.
3.	Detailed estimate of slab culvert
4.	Detailed estimate of pipe culvert
5	Calculate quantity of earthwork for Road, Canal and Dam
6.	Detailed estimate of W.B.M. Road (Bituminous carpet)
7.	Detailed estimate of concrete Road
8.	Detailed estimate of a steel roof truss
9.	Rate analysis for at least FIVE items of Random, Course, Ashlar Rubble Stone masonry, Road (Bituminous seal/I/II coat, CC/RCC Road), Canal (pitching and lining work) and Culverts construction
10.	Detailed Specifications for above useful items
11.	Use computer for rate analysis of at least any two items (Use computer Programme or MS Excel)
12.	Use computer for detailed estimate of any two exercises

Reference Books:

Sr. No.	Name of Books	Author
1.	I.S 1200 Part I to XXV (Revised)	B.I.S. Publication 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