

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA IN CIVIL ENGINEERING

Semester: 4

Subject Name Quantity Survey and Costing

Sr. No.	Course content
1.	INTRODUCTION ESTIMATING – TYPES OF ESTIMATE OBJECTS OF ESTIMATRY DATA REQUIRED. FOR ESTIMATING. QUALITIES OF GOOD ESTIMATOR TAKING OUT QUANTITITES – METHODS IN BRIEF.
2.	MODE OF MEASUREMENT UNITS – TYPE OF UNITS – MODE OF MEASURMENT OF DIFFERENT ITEMS – MEASURMENT UNITS ACCURACY ETC.
3.	ESTIMATING DETAILED ESTIMATE OF SOAK PIT DETAILED ESTIMATE OF SEPTICANLED DETAILED ESTIMATE OF SLAB CULVERT AND HUME PIPE CULVERT DETAILED ESTIMATE OF EARTHWORK FOR ROAD, CANAL, DAM DETAILED ESTIMATE OF W.B.M. ROAD WITH BITUMEN CARPET DETAILED ESTIMATE OF CONCRETE ROAD DETAILED ESTIMATE OF STEEL ROOF TRUSS
4.	SPECIFICATIONS DETAILED SPECIFICATION FOR DIFFERENT TYPES STONE MASONARY FOR EARTH WORK, ROAD & CANAL
5.	RATE ANALYSIS DEFINE R.A. ,FACTORS AFFECTING R.A. S.O.R. TASKWORK DERIVE R.A. FOR DIFFERENT TYPES OF STONE MASONARY DERIVE R.A. FOR ROAD, CANAL , DAM & CULVERTY
6.	MISCELLANEOUS METHODS OF APPORXIMATE ESTIMATE, SHORTNOTES DAYWORK, PRIME COST, PROVISIONAL SUM, PRIVISIONAL QUANTITIES, SPOT ITEMS, CONTIGENCIES CHARGES, WORKCHARGED ESTBLISHMENT CHARGES.

Reference Books:

Sr. No.	Name of Books	Author
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