

DISCIPLINE: CIVIL	SEMESTER: 3RD	NAME OF THE TEACHING FACULTY: RASMI GADAPALLA
SUBJECT NAME: ESTIMATING & COST EVALUATION-I	No. of Days per Week Class Allotted: 4 days	Semester From Date: 15/09/2022 To Date: 22/12/2022 No of Weeks :15
Week	Class Day	Theory Topics
September 3rd week	3rd week- 1st, 2nd day	1 Introduction 1.1 Types of estimates – Plinth area, floor area / carpet area 1.2 Units and modes of measurements as per IS 1200 1.3 Accuracy of measurement for different item of work
September 3rd week 4th week October 1st week 2nd week 3rd week 4th week 5th week November 1st week	3rd week- (3rd, 4th day) 4th week- (1st, 2nd, 3rd, 4th) 2nd week (1st, 2nd, 3rd, 4th) 3rd week (1st, 2nd, 3rd, 4th) 4th week (1st, 2nd, 3rd, 4th) 5th week (1st, 2nd, 3rd, 4th) November 1st week (1st, 2nd, 3rd, 4th day)	2 Quantity Estimate of Building 2.1 Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc. 2.2 Detailed estimate of single storied flat roof building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mummy room.
October 5th week	1st day	Class test
November 2nd week 3rd week 4th week 5th week December 1st week 2nd week	2nd week (1st, 2nd, 3rd, 4th day) 3rd week (3rd, 4th day) 4th week (1st, 2nd, 3rd, 4th day) 5th week (1st, 2nd, 3rd, 4th day) 1st week (1st, 2nd, 3rd, 4th day) 2nd week (1st, 2nd, day)	3 Analysis of Rates and Valuation 3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing, Artificial Stone flooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD. 3.2 Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system (Concept of C.P.W.D./Railways provisions) 3.3 Abstract of cost of estimate. 3.4 Valuation- Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolesce, methods of valuation.
November 3rd week	3rd week (1st, 2nd day)	Internal Assessment
December 2nd week 3rd week	2nd week- 3rd, 4th day 1st 2nd day 3rd week-	4 Administrative Set-Up of Engineering Organisations: 4.1 Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc. Duties and responsibilities of Engineers at different positions /levels.
December 2nd week	4th day	Class test

Rasmi Gadapalla
 29/9/22
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