

PROGRAMME : CIVIL ENGINEERING COURSE NAME : ESTIMATION AND COST EVALUATION - 1 COURSE CODE : TH-4 SEMESTER : 3rd PERIODS/WEEK: 4 TOTAL PERIODS: 60		NAME OF THE FACULTY: SHUBHAM SAHOO SESSION : 2023-2024 DATE : 01-08-2023 to 30-11-2023
WEEK	CLASS	TOPICS
1	1	Types of estimates –
	2	Plinth area, floor area
	3	Carpet area
	4	Units and modes of measurements as per IS 1200
2	1	Units and modes of measurements as per IS 1200
	2	Accuracy of measurement for different item of work
	3	Accuracy of measurement for different item of work
	4	Accuracy of measurement for different item of work
3	1	Short wall long wall method and centre line method
	2	Deductions in masonry
	3	Plastering
	4	White washing, painting etc
4	1	Multiplying factor (paint coefficients)
	2	For painting of doors and windows (paneled/glazed), grills etc
	3	Detailed estimate of single storied flat roof building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mumty room
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5	1	Analysis of rates for cement concrete
	2	Brick masonry in Cement Mortar
	3	Laterite stone masonry in Cement Mortar
	4	Cement plaster
6	1	White washing
	2	Artificial Stone flooring
	3	Tile flooring
	4	Concrete flooring
7	1	R.C.C. with centering and shuttering
	2	Reinforcing steel
	3	Painting of doors and windows etc. As per OPWD
	4	Calculation of lead
8	1	Calculation of lift
	2	Conveyance charges
	3	Royalty of materials, etc. As per orissa p.w.d. system (concept of c.p.w.d./railways provisions)
	4	Abstract of cost of estimate.
	1	Abstract of cost of estimate.
	2	Abstract of cost of estimate.

9	3	Abstract of cost of estimate.
	4	Abstract of cost of estimate.
10	1	Abstract of cost of estimate.
	2	Valuation- Value and cost,
	3	Scrap value
	4	Salvage value
11	1	Assessed value
	2	Sinking fund,
	3	Depreciation and obsolesce
	4	Methods of valuation.
12	1	Methods of valuation.
	2	Methods of valuation.
	3	Methods of valuation.
	4	Methods of valuation.
13	1	Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc.
	2	Duties and responsibilities of Engineers at different positions /levels.
	3	Duties and responsibilities of Engineers at different positions /levels.
	4	Duties and responsibilities of Engineers at different positions /levels.
14	1	Revision of Chapter-1:
	2	Revision of Chapter-2
	3	Revision of Chapter-2:
	4	Revision of Chapter-2:
15	1	Revision of Chapter-3:
	2	Revision of Chapter-3:
	3	Revision of Chapter-4:
	4	Revision of Chapter-4: