

**JHARSUGUDA ENGINEERING SCHOOL, JHARSUGUDA
DEPARTMENT OF CIVIL ENGINEERING**

LESSON PLAN

PROGRAMME: DIPLOMA IN CIVIL ENGINEERING
SUBJECT: ESTIMATING COSTING PRACTICE -1
SEMESTER : 3rd

session- winter 2024

CHAPTER	WEEK NO.	CLASS DAY	LECTURE NO.	TOPICS TO BE COVERED
1	1	1	1	Introduction Types of estimates – Plinth area, floor area / carpet area
		2	2	Units and modes of measurements as per IS 1200
	2	3	3	Accuracy of measurement for different item of work
		4	4	Quantity Estimate of Building
		5	5	Main items of the work
		6	6	Method of building Estimate.
	3	7	7	Quantity Estimate of Building Short wall long Wall method
		8	8	Problem Practice
		9	9	Problem Practice
		10	10	Problem Practice
3.	4	11	11	Detailed estimate of single storied flat roof building with shallow foundation
		12	12	Analysis of Rates and Valuation Analysis of rates for cement concrete,
		13	13	Brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing, Artificial Stone flooring
		14	14	Problem Practice
	5	15	15	Tile flooring, concrete flooring, R.C.C. with centring and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD.
		16	16	Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system
		17	17	Problem Practice
		18	18	Problem Practice
	6	19	19	Abstract of cost of estimate
		20	20	Problem Practice
		21	21	Problem Practice
		22	22	Problem Practice
7	23	23	Valuation- Value and cost	
	24	24	Methods of valuation	
	25	25	Scrap value , Salvage value, assessed value	
	26	26	Problem Practice	
8	27	27	Administrative Set-Up of Engineering Organisations	
	28	28	Administrative set-up and hierarchy of Engineering department in State Govt./Central	
	29	29	Duties and responsibilities of Engineers at different positions	
	30	30	Problem Practice	
9	31	31	-----Revision-----	

		32	32	-----Revision-----
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	12	43	43	-----Revision-----
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46		46	-----Revision-----	
13	47	47	-----Revision-----	
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14	51	51	-----Revision-----	
	52	52	-----Revision-----	
	53	53	-----Revision-----	
	54	54	-----Revision-----	

Swapnashish patel


21/07/2024