

NM Institute Of Engineering and Technology, Bhubaneswar

DEPARTMENT: CIVIL ENG

LESSON PLAN: Academic Year 2022-23 (ODD Semester)

COURSE: DIPLOMA

SEMESTER: 3RD

Subject/Code: ESTIMATION AND COST EVALUATION-I

Faculty Name: MR. SATYAKANTA PRADHAN

	Sl. No.	Name of the Topic to Cover	Text Book	Teaching Method	Remark
C h - 1	1	Introduction to estimation.	T1	P	OK
	2	Types of estimates – Plinth area, floor area / carpet area	T2	G	OK
	3	Units and modes of measurements as per IS 1200	T2	P	OK
	4	Accuracy of measurement for different item of work	T3	G	OK
	5	Quantity Estimate of Building	T1	G	OK
	6	Short wall long wall method and centre line method	R1	G	OK
	7	plastering, white washing, painting.	T2	G	OK
	8	Detailed estimate of single storied flat roof building with shallow foundation	R1	G	OK
	9	Detailed estimate of single storied flat roof building with shallow foundation	T1	G	OK
	10	Detailed estimate of double storied flat roof building with shallow foundation	T2	P	OK
C h - 3	11	Bill of quantity	R1	G	OK
	12	RCC roof slab with leak proof treatment	T1	P	OK
	13	Analysis of rates for cement concrete	T2	G	OK
	14	brick masonry in Cement Mortar	T3	G	OK
	15	laterite stone masonry in Cement Mortar	T1	G	OK
	16	Artificial Stone flooring, Tile flooring, concrete flooring	T2	G	OK
	17	R.C.C. with centering	T2	P	OK
	18	Painting of doors and windows etc. as per OPWD.	T1	G	OK
	19	Calculation of lead, lift,	R1	G	OK
	20	conveyance charges, royalty of materials	R2	G	OK
C h - 4	21	Orissa P.W.D. system	R1	G	OK

h	22	Concept of C.P.W.D.	T3	P	OK
-	23	Abstract of cost of estimate	T2	G	OK
5	24	Abstract of cost of estimate	T1	G	OK
	25	Valuation- Value and cost,	T3	G	OK
	26	Valuation- Value and cost	T2	G	OK
	27	scrap value, salvage value	T2	P	OK
	28	scrap value, salvage value	T1	P	OK
C	29	assessed value	T2	G	OK
h	30	assessed value	T1	G	OK
-	31	sinking fund, depreciation and obsolesce	T2	G	OK
6	32	sinking fund, depreciation and obsolesce	T2	G	OK
	33	sinking fund, depreciation and obsolesce	T3	G	OK
	34	methods of valuation.	R1	P	OK
	35	methods of valuation.	R1	P	OK
	36	methods of valuation.	T2	G	OK
	37	methods of valuation.	T3	G	OK
	38	methods of valuation.	T3	G	OK
	39	Administrative set-up and hierarchy of Engineering department in State	T2	P	OK
	40	Administrative set-up and hierarchy of Engineering department in State	R1	P	OK
C	41	Administrative set-up and hierarchy of Engineering department in State	T3	G	OK
h	42	Administrative set-up and hierarchy of Engineering department in State	T2	G	OK
-	43	Administrative set-up and hierarchy of Engineering department in State	R1	G	OK
7	44	Administrative set-up and hierarchy of Engineering department in State	T2	G	OK
	45	Administrative set-up and hierarchy of Engineering department in State	R1	P	OK
				Method of Teaching	
				G: Green Board Teaching	
				P: Power Point Teaching	
Faculty Signature <i>Sachinanta Dindhan</i>					