

LESSON PLAN (WINTER-2021)

DEPARTMENT OF CIVIL ENGINEERING, OSME, KEONJHAR

SUBJECT- Estimation & Cost Evaluation – I

SEMESTER-3rd (2nd Year)

FACULTY- Soumya Sucharita Maharana

WEEK	DATE	NO. OF CLASSES	TOPICS TO BE COVERED
CHAPTER-1 : Introduction			
1 st	04.10.21	2	1.1 Types of estimates – Plinth area, floor area / carpet area
	06.10.21	2	1.2 Units and modes of measurements as per IS 1200
2 nd	18.10.21	2	1.3 Accuracy of measurement for different item of work
CHAPTER-2 : Quantity Estimate of Building			
2 nd	20.10.21	2	2.1 Short wall long wall method and centre line method,
3 rd	25.10.21	2	Deductions in masonry, plastering, white washing, painting etc.,
	27.10.21	2	-DO-
4 th	01.11.21	2	Multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.
	03.11.21	2	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.
5 th	08.11.21	2	-DO-
	10.11.21	2	REVISION
6 th	15.11.21	2	CLASS TEST – 1
	17.11.21	2	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.
7 th	22.11.21	2	-DO-
8 th	29.11.21	2	REVISION
CHAPTER-3 : Analysis of Rates and Valuation			
8 th	01.12.21	2	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing,
9 th	06.12.21	2	-DO-
	08.12.21	2	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.
10 th	13.12.21	2	CLASS TEST – 2
	15.12.21	2	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
11 th	20.12.21	2	3.3 Abstract of cost of estimate.
	22.12.21	2	-DO-
12 th	03.01.22	2	3.4 Valuation- Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolesce, methods of valuation.
	05.01.22	2	CLASS TEST – 3
CHAPTER-4 : Administrative Set-Up of Engineering Organisations:			
13 th	10.01.22	2	4.1 Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc.

	12.01.22	2	Duties and responsibilities of Engineers at different positions /levels.
14 th	17.01.22	2	REVISION
	TOTAL	52	

S. Maharekare
01/11/21

[Signature]
01/10/2021
HOD civil