

LESSON PLAN FOR WINTER 2023

Week	Class day	TOPICS	REMARKS
Department: Civil Engineering		Semester : 3RD SEC-A Name of the Teaching faculty: SUVASHREE PANDA	
Subject :- Th.4 ESTIMATION AND COST EVALUATION-		No. of Days/ week class allotted : 04/week Semester from date: 01/08/2023 to 30/11/2023 No. of Weeks :18 Topics to be covered:-	
1ST WEEK		1.0 INTRODUCTION	
	DAY 1	1.1 Types of estimates – Plinth area, floor area / carpet area 1.2 Units and modes of measurements as per IS 1200	
	DAY 2	1.3 Accuracy of measurement for different item of work	
	DAY 3	2.0 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.	
2nd Week	DAY 1	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.	
	DAY 2	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.	
	DAY 3	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.	
3rd Week	DAY 1	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.	
	DAY 2	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.	
	DAY 3	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.	
4Th Week	DAY 1	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.	
	DAY 2	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.	

	DAY 3	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.	
5TH Week	DAY 1	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.	
	DAY 2	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.	
	DAY 3	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 mumty room.	
6 TH WEEK	DAY 1	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 mumty room.	
	DAY 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 mumty room.	
	DAY 3	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 mumty room.	
7TH WEEK	DAY 1	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 mumty room.	
	DAY 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 mumty room.	
	DAY 3	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 mumty room.	
8TH WEEK	DAY 1	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 mumty room.	
	DAY 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 mumty room.	
	DAY 3	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 mumty room.	

		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 mumty room.	
9TH WEEK	DAY 1	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 mumty room.	
		3. ANALYSIS OF RATES AS PER PWD SPECIFICATIONS / STANDARDS	
	DAY 3	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, whitewashing, 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 WEEK	DAY 1	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, whitewashing, 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.	
	DAY 2	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, whitewashing, 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.	
	DAY 3	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, whitewashing, 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.	
11 TH WEEK	DAY 1	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)	
	DAY 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)	
	DAY 3	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)	
12 TH WEEK	DAY 1	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)	
	DAY 2	3.3 Abstract of cost of estimate	
13TH WEEK		PUJA HOLIDAY	
	DAY 1	3.3 Abstract of cost of estimate	

14 TH WEEK	DAY 2	3.3 Abstract of cost of estimate	
	DAY 3	3.3 Abstract of cost of estimate	
15 TH WEEK	DAY 1	3.4 VALUATION - value and cost , scarp value , salvage value, assessed value , sinking fund , depriciation and obsolesce, methods	
	DAY 2	3.4 VALUATION - value and cost , scarp value , salvage value, assessed value , sinking fund , depriciation and obsolesce, methods	
	DAY 3	3.4 VALUATION - value and cost , scarp value , salvage value, assessed value , sinking fund , depriciation and obsolesce, methods	
16 TH WEEK	DAY 1	3.4 VALUATION - value and cost , scarp value , salvage value, assessed value , sinking fund , depriciation and obsolesce, methods	
		4. ADMINISTRATIVE SET-UP OF ENGINEERING	
	DAY 2	4.1 Administrative set-up and hierarchy of Engineering department in State Govt./CentralGovt./PSUs/PrivateSectors etc. Duties and responsibilities of Engineers at different positions/levels.	
	DAY 3	4.1 Administrative set-up and hierarchy of Engineering department in State Govt./CentralGovt./PSUs/PrivateSectors etc. Duties and responsibilities of Engineers at different positions/levels.	
17 TH WEEK	DAY 1	4.1 Administrative set-up and hierarchy of Engineering department in State Govt./CentralGovt./PSUs/PrivateSectors etc. Duties and responsibilities of Engineers at different positions/levels.	
	DAY 2	REVISION CLASSES	
	DAY 3	REVISION CLASSES	
18TH WEEK	DAY 1	REVISION CLASSES	

Suvashree Panda

01.08.23

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