Deparment: Civil Engineering	Semester : 3rd	Name of the Teaching faculty: NITYANANDA BEHERA		
ESTIMATING AND week class No. of Week		Semester from date: 15/09/2022 to 22/12/202 No. of Weeks :15 Topics to be covered:-	eks :15	
Week	Class Day	Topics	Remarks	
1 st Week:		1.0 INTRODUCTION(2)		
	3 rd	1.1Types of estimates – Plinth area, floor area / carpet area		
2 nd Week:	1 st	1.2 Units and modes of measurements as per IS 12001.3 Accuracy of measurement for different item of work		
		2.0 QUANTITY ESTIMATE OF BUILDING(30)		
		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.		
	2 nd	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.		
	3 rd	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.		
	1st	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:	2 nd	 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. 2.1 Short wall long wall method and centre 	
	3 rd	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	vacation		
	1st	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.	
5 th Week:	2nd	 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. 	
	Зrd	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.	
	1st	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:	2nd	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.	
	3rd	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.	

	1st	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.	
7 th Week:	2nd	building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mumty room.	
	3rd	building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mumty room.	
	1st	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.	
8 th Week: (31st oct- 5th Nov)	2nd	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.	
	3rd	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.	
9 th Week:	2nd	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.	
	3rd	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.	
	1st	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.	

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11 th Week: asonry in Cement Mortar, laterite stone masonry in Cement Mortar, laterite stone masonry in Cement Mortar, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. asper OPWD. asonry in Cement Mortar, laterite stone masonry in Cement Mortar, laterite stone masonry in Cement Mortar, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. asper OPWD. 2nd 3.1 Analysis of rates for cement flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. asper OPWD. 3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, cement plaster, whitewashing, Artificial Stoneflooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. asper OPWD. 3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, cement plaster, whitewashing, Artificial Stoneflooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc.asper OPWD. 3rd 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) 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 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 3.2 Calculation of lead, lift, conve		3rd	building with shallow foundation and RCC roof slab with leak proof treatment over it	
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			charges, royalty of materials, etc. as per Orissa	
		1st	3.3 Abstract of cost of estimate.	

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	2nd	3.3 Abstract of cost of estimate.	
	3rd	3.3 Abstract of cost of estimate.	
	1st	3.3 Abstract of cost of estimate.	
		3.4 Valuation- Value and cost, scrap value,	
	2nd	salvage value, assessed value, sinking fund,	
14 th Week:		depreciation and obsolesce, methods of	
14 III WEEK.		valuation.	
		3.4 Valuation- Value and cost, scrap value,	
	2	salvage value, assessed value, sinking fund,	
	3rd	depreciation and obsolesce, methods of	
		valuation.	
		4. ADMINISTRATIVE SET-UP OF ENGINEERING	
		ORGANISATION:	
	1 AND 2	4.1 Administrative set-up and hierarchy of	
		Engineering department in State Govt./Central	
15 th Week:		Govt./PSUs/Private Sectors etc. Duties and	
		responsibilities of Engineers at different	
		positions /levels.	
	•	4.1 Administrative set-up and hierarchy of	
		Engineering department in State Govt./Central	
		Govt./PSUs/Private Sectors etc. Duties and	
		responsibilities of Engineers at different	
		positions /levels.	
EXTRA CLASSES		4.1 Administrative set-up and hierarchy of	
		Engineering department in State Govt./Central	
		Govt./PSUs/Private Sectors etc. Duties and	
		responsibilities of Engineers at different	
		positions /levels.	
		positions /levels.	