

LESSON PLAN OF ESTIMATION AND COST EVALUATION-1 3RD SEM SEC-A

Department: Civil Engineering	Semester : 3rd	Name of the Teaching faculty: Jasodhara Sahoo	
Subject :- Th4 ESTIMATION AND COST EVALUATION-1	No.of Days/ week class allotted : 04/week	Semester from date: 15/09/2022 to 22/12/2022	
		No. of Weeks :15	Topics to be covered:-
Week	Class Day	Topics	Remarks
		1.0 INTRODUCTION(2)	
1 st Week: (15 th Sept-17th Sept)	4 th	1.1Types of estimates – Plinth area, floor area / carpet area	
2 nd Week: (19 th Sept - 24 th Sept)	1 st	1.2 Units and modes of measurements as per IS 1200 1.3 Accuracy of measurement for different item of work	
		2.0 QUANTITY ESTIMATE OF BUILDING(30)	
	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.	
4 th	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 Week: (26 th Sept-1st Oct)	1 st	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 Week: (26 th Sept-1st Oct)	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.	
	4 th	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	vacation		
5 th Week: (10 th Oct- 15 th Oct)	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.	
	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.	
	3rd	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	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: (17 th Oct- 22 nd Oct)	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.	
	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.	

6 th Week: (17 th Oct- 22 nd Oct)	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.	
	4th	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: (25 th Oct- 29th Oct)	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.	
	4th	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)	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.	
	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.	
	4th	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: (7 th Nov -12 th Nov)	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.	

9 th Week: (7 th Nov -12 th Nov)	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.	
	4th	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.	
10 th Week: (14 th Nov -19 th Nov)	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.	
	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.	
	4th	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.	
11 th Week: (21st Nov - 26 th Nov)	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.	
		3.ANALYSIS OF RATES AS PER PWD SPECIFICATIONS / STANDARDS(22)	
	2nd	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone 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.	
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11 th Week: (21st Nov - 26 th Nov)	4th	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone 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.	
12 th Week: (28 th Nov -3 rd) Dec	1st	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone 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.	
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13 th Week: (5 th Dec -10 th Dec)	1st	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone 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.	
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14 th Week: (12 th Dec- 17th Dec)	1st	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone 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.	
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15 th Week: (19 th Dec- 22nd Dec)	1st	3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone 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.	

15 th Week: (19 th Dec- 22nd Dec)	2nd	3.2 Calculation of lead, lift, conveyance charges, royalty of materials,etc.asper OrissaP.W.D.system(ConceptofC.P.W.D./Railwaysprovisions)	
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EXTRA CLASSES		3.3 Abstract of cost of estimate	
		4. ADMINISTRATIVE SET-UP OF ENGINEERING ORGANISATIONS:	
		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.	
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Jasodharra Sahoo

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