

Badriprasad Institute of Technology, Sambalpur

Lesson plan for Theory -4, Estimation & Cost Evaluation –I

Semester & Branch : 3rd Sem Civil Engineering

Total Periods-60

Name of the faculty : Mrs. Sudipta Patel

No of periods /week-4

WEEK	CLASS DAY	THEORY TOPICS
1st	1st	Introduction Types of estimates – Plinth area, floor area / carpet area
	2nd	Units and modes of measurements as per IS 1200
	3rd	Accuracy of measurement for different item of work
	4th	Continue of 3rd class
2nd	1st	Quantity Estimate of Building Short wall long wall method
	2nd	centre line method.
	3rd	Revision Class
	4th	Deductions in masonry, plastering, white washing, painting .
3rd	1st	continue of 4th class
	2nd	Multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.
	3rd	Continue of 3rd class
	4th	Continue of 3rd class
4th	1st	Detailed estimate of single storied flat roof building with shallow foundation.
	2nd	Continue of 1st class
	3rd	Continue of 2nd class
	4th	Continue of 3rd class
5th	1st	Class test
	2nd	RCC roof slab with leak proof treatment over it including staircase and mummy room.
	3rd	continue of 1st class
	4th	continue of 2nd class
6th	1st	continue of 3rd class
	2nd	Analysis of Rates and Valuation Analysis of rates for cement concrete, brick masonry in Cement Mortar,
	3rd	Continue of 1st class
	4th	laterite stone masonry in Cement Mortar, cement plaster, white washing
7th	1st	continue of 1st class
	2nd	Artificial Stone flooring, Tile flooring, concrete flooring
	3rd	Continue of 2nd class
	4th	R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD.
8th	1st	Continue of 4th class
	2nd	Calculation of lead, lift, conveyance charges,
	3rd	Continue of 2nd class
	4th	royalty of materials, etc. as per Orissa P.W.D. system .

Badriprasad Institute of Technology, Sambalpur

Lesson plan for Theory -4, Estimation & Cost Evaluation –I

Semester & Branch : 3rd Sem Civil Engineering

Total Periods-60

Name of the faculty : Mrs. Sudipta Patel

No of periods /week-4

9th	1st	Revision Class
	2nd	Abstract of cost of estimate
	3rd	Continue of 2nd class
	4th	Revision Class
10th	1st	Valuation- Value and cost, scrap value, salvage value, assessed value,
	2nd	Continue of 1st class
	3rd	Continue of 2nd class
	4th	sinking fund, depreciation and obsolesce, methods of valuation
11th	1st	continue of 4th class
	2nd	Administrative Set-Up of Engineering Organisations:
		Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc.
	3rd	Continue of 2nd class
4th	Continue of 2nd class	
12th	1st	Continue of 2nd class
	2nd	Continue of 2nd class
	3rd	Duties and responsibilities of Engineers at different positions /levels.
	4th	Continue of 3rd class
13th	1st	Continue of 3rd class
	2nd	Continue of 3rd class
	3rd	Continue of 3rd class
	4th	Continue of 3rd class
14th	1st	Revision Class Single room Building Calculation
	2nd	Continue of 1st class
	3rd	Revision Class Single room Building Abstract estimate cost
	4th	Continue of 3rd class
15th	1st	continue of 4th class
	2nd	Revision Class
	3rd	Revision Class

Sign of Faculty

Sign of HOD