

ORISSA SCHOOL OF ENGINEERING & POLYTECHNIC ,BERHAMPUR

Th4. ESTIMATION & COST EVALUATION – I

SEMESTER:-3RD

FACULTY NAME:- SAMAPIKA PATNAIK

Week	Date Range	Topics	Subtopics
1	1/8 - 5/8	Introduction	Types of estimates: Plinth area, Floor area, Carpet area
2	7/8 - 12/8	Introduction (cont.)	Units and modes of measurements as per IS 1200; Accuracy of measurement
3	14/8 - 19/8	Quantity Estimate of Building	Short wall, long wall method, centerline method; deductions in masonry, plastering
4	21/8 - 26/8	Quantity Estimate of Building (cont.)	Multiplying factors for painting; painting coefficients for doors, windows, and grills
5	28/8 - 2/9	Quantity Estimate of Building (cont.)	Detailed estimate for a single-storied flat roof building
6	4/9 - 9/9	Quantity Estimate of Building (cont.)	RCC roof slab with leak-proof treatment, including staircase and mummy room
7	11/9 - 16/9	Analysis of Rates and Valuation	Analysis of rates for cement concrete, brick masonry, and plastering
8	18/9 - 23/9	Analysis of Rates and Valuation (cont.)	Analysis for artificial stone flooring, tile flooring, RCC with centering, and shuttering
9	25/9 - 30/9	Analysis of Rates and Valuation (cont.)	Reinforcing steel, painting doors and windows as per OPWD
10	2/10 - 7/10	Analysis of Rates and Valuation (cont.)	Lead, lift, conveyance charges, and royalty of materials per OPWD
11	9/10 - 14/10	Analysis of Rates and Valuation (cont.)	Abstract of cost of estimate; value and cost, scrap value, salvage value
12	16/10 - 21/10	Valuation (cont.)	Assessed value, sinking fund, depreciation, obsolescence
13	23/10 - 28/10	Valuation (cont.)	Methods of valuation
14	30/10 - 4/11	Administrative Set-Up of Engineering Organisations	Administrative hierarchy in State Govt./Central Govt./PSUs/Private Sectors
15	6/11 - 11/11	Administrative Set-Up (cont.)	Duties and responsibilities of engineers at various levels
16	13/11 - 18/11	Buffer Week for Spillovers or Advanced Topics	Coverage of pending or advanced topics
17	20/11 - 25/11	General Discussion	Recap of key concepts, addressing queries

18	27/11 - 30/11	Completion and Final Notes	Final discussions and closure
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