

LESSON PLAN OF 3RD SEMESTER(2024-25) CIVIL ENGINEERING

Discipline :- CIVIL ENGG	Semester:- 3 RD	Name of Teaching Faculty: SWAGATIKA SAMAL(Lecturer)
Subject:- Estimation and Cost Evaluation-I (Th.4)	No of Days/per Week Class Allotted :-04	Semester From:- <u>01/07/2024</u> To:- <u>08/11/2024</u> No of Weeks:- 15
Week	Class Day	Theory Topics
1 st	1 st	INTRODUCTION : Types of estimates – Plinth area, floor area / carpet area
	2 nd	Units and modes of measurements as per IS 1200 Accuracy of measurement for different item of work
	3 rd	QUANTITY ESTIMATE OF BUILDING Short wall long wall method and centre line method
	4 th	Problems
2 nd	1 st	deductions in masonry,
	2 nd	Problems
	3 rd	plastering,
	4 th	Problems
3 rd	1 st	white washing,
	2 nd	Problems
	3 rd	painting etc., multiplying factor
	4 th	Problems
4 th	1 st	problems
	2 nd	for painting of doors and windows (paneled/glazed), grills etc
	3 rd	Problems
	4 th	Problems
5 th	1 st	Detailed estimate of single storied flat roof building with shallow foundation
	2 nd	Problems
	3 rd	Problems
	4 th	Problems
6 th	1 st	Problems
	2 nd	Problems
	3 rd	ANALYSIS OF RATES AS PER OPWD SPECIFICATIONS / STANDARDS Analysis of rates for cement concrete
	4 th	Problems
7 th	1 st	Problems
	2 nd	brick masonry in Cement Mortar
	3 rd	Problems
	4 th	Problems
8 th	1 st	Problems
	2 nd	laterite stone masonry in Cement Mortar,
	3 rd	Problems
	4 th	white washing ,Artificial Stone flooring,
9 th	1 st	Problems
	2 nd	Problems
	3 rd	cement plaster

	4th	Problems
10 th	1st	white washing ,Artificial Stone flooring,
	2nd	Problem:
	3rd	concrete flooring,
	4th	Problems
11 th	1st	R.C.C. with centering and shuttering, reinforcing steel,
	2nd	Problems
	3rd	Painting of doors and windows etc
	4th	Problems
12 th	1st	Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system
	2nd	Abstract of cost of estimate.
	3rd	Valuation- Value and cost,
	4th	scrap value, salvage value,
13 th	1st	assessed value, sinking fund
	2nd	depreciation and obsolesce
	3rd	methods of valuation
	4th	ADMINISTRATIVE SET-UP OF ENGINEERING ORGANISATIONS
14 th	1st	Administrative set-up and hierarchy of Engineering Dept. In state Govt./Central Govt./PSUs/Private Sector etc.
	2nd	Duties of responsibilities of Engineers at different positions /levels
	3rd	Challenges to be faced while duty discharge and their smooth mitigation
	4th	PREVIOUS YEAR QUESTION DISCUSSION
15 th	1st	Problem Practice on Cost analysis
	2nd	Problem Practice on Types of estimation
	3rd	PREVIOUS YEAR QUESTION DISCUSSION
	4th	REVISION

S. Somal
29.06.24
Lecturer

Verified

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