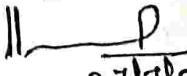


LESSON PLAN OF 3RD SEMESTER(2023-24) CIVIL ENGINEERING

Discipline :- CIVIL ENGG.	Semester:- 3 RD	Name of the Teaching Faculty SWAGATIKA SAMAL
Subject:- Estimation and cost evaluation-I	No of Days/per Week Class Allotted :-04	Semester From:- <u>01/08/2023</u> To:- <u>30/11/2023</u> No of Weeks:- 18
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


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	4th	Problems
10 th	1st	white washing ,Artificial Stone flooring,
	2nd	Problems
	3rd	concrete flooring,
	4th	Problems
11 th	1st	R.C.C. with centering and shuttering, ,
	2nd	Problems
	3rd	reinforcing steel
	4th	problem
12 th	1st	problem
	2nd	Painting of doors
	3rd	Problems
	4th	Painting of window
13 th	1st	problem
	2nd	Calculation of lift, conveyance charges
	3rd	Calculation of lead
	4th	problem
14 th	1st	problem
	2nd	royalty of materials, etc. as per Orissa P.W.D. system
	3rd	Abstract of cost of estimate
	4th	Railway provision
15 th	1st	Concept of C.P.W.D
	2nd	Valuation- Value and cost,
	3rd	Abstract of cost of estimate
	4th	assessed value, sinking fund
16 th	1st	depreciation and obsolesce
	2nd	methods of valuation
	3rd	ADMINISTRATIVE SET-UP OF ENGINEERING ORGANISATIONS Introduction
	4th	4.1Administrative set-up and hierarchy of Engineering Dept. In state Govt./Central Govt./PSUs/Private Sector etc.
17 th	1st	Duties of responsibilities of Engineers at different positions /levels
	2nd	Challenges to be faced while duty discharge and their smooth mitigation
	3rd	PREVIOUS YEAR QUESTION DISCUSSION
	4th	PREVIOUS YEAR QUESTION DISCUSSION
18 th	1st	Problem Practice on Cost analysis
	2nd	Problem Practice on Types of estimation
	3rd	PREVIOUS YEAR QUESTION DISCUSSION
	4th	REVISION