

LESSON PLAN OF 3RD SEMESTER(2022-23) CIVIL ENGINEERING

Discipline :- CIVIL ENGG.	Semester:-3 RD	Name of the Teaching Faculty PRIYABRATA TRIPATHY
Subject:- Estimation and cost evaluation-I	No of Days/per Week Class Allotted :-04	Semester From:- 15/09/2022 To:- 22/12/2022 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

	4 th	Problems
10 th	1 st	white washing ,Artificial Stone flooring,
	2 nd	Problems
	3 rd	concrete flooring,
	4 th	Problems
11 th	1 st	R.C.C. with centering and shuttering, reinforcing steel,
	2 nd	Problems
	3 rd	Painting of doors and windows etc
	4 th	Problems
12 th	1 st	3.2Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system
	2 nd	3.3 Abstract of cost of estimate.
	3 rd	Valuation- Value and cost,
	4 th	scrap value, salvage value,
13 th	1 st	assessed value, sinking fund
	2 nd	depreciation and obsolesce
	3 rd	methods of valuation
	4 th	4.0 ADMINISTRATIVE SET-UP OF ENGINEERING ORGANISATIONS
14 th	1 st	4.1Administrative set-up and hierarchy of Engineering Dept. In state Govt./Central Govt./PSUs/Private Sector etc.
	2 nd	Duties of responsibilities of Engineers at different positions /levels
	3 rd	Challenges to be faced while duty discharge and their smooth mitigation
	4 th	PREVIOUS YEAR QUESTION DISCUSSION
15 th	1 st	Problem Practice on Cost analysis
	2 nd	Problem Practice on Types of estimation
	3 rd	PREVIOUS YEAR QUESTION DISCUSSION
	4 th	REVISION