

LESSON PLAN

Discipline: Civil Engg.	Semester: Fifth (5 th)	Name of the Faculty: Er Bapuji Nayak
Subject: Estimation and Cost Evaluation-II	No. of days per week class allotted: Four (4)	Semester from Date: 15.09.22 to Date: 22.12.22 No. of Weeks: 15
WEEK	CLASS DAY	THEORY TOPICS
1 st	1 st	Detailed estimate of a RCC deck slab culvert with right angled wing walls with bar bending schedule.
	2 nd	Problem analysis
	3 rd	Problem analysis
	4 th	Problem analysis
	5 th	Problem analysis
2 nd	1 st	Problem analysis
	2 nd	Problem analysis
	3 rd	RCC hume pipe culvert with Splayed angled wing walls.
	4 th	Problem analysis
	5 th	Problem analysis
3 rd	1 st	Problem analysis
	2 nd	Problem analysis
	3 rd	Problem analysis
	4 th	Review class

	5 th	Detailed estimate of simple type of vertical fall to given specification
4 th	1 st	Problem analysis.
	2 nd	Problem analysis.
	3 rd	Problem analysis.
	4 th	Monthly test
	5 th	Problem analysis
5 th	1 st	Detailed estimate of drainage siphon to given specification.
	2 nd	Problem analysis
	3 rd	Problem analysis
	4 th	Problem analysis
	5 th	Problem analysis
6 th	1 st	Problem analysis
	2 nd	Problem analysis
	3 rd	Review class
	4 th	Detailed estimate of a water bound macadam road.
	5 th	Introduction of all particulars
7 th	1 st	Problem analysis.
	2 nd	Problem analysis.
	3 rd	Problem analysis
	4 th	Detailed estimate of a flexible pavement in cutting/ filling.

	5 th	Problem analysis.
8 th	1 st	Problem analysis
	2 nd	Problem analysis
	3 rd	Detailed estimate of septic tank and soak pit up to 50 users
	4 th	Monthly test
	5 th	Problem analysis
9 th	1 st	Problem analysis
	2 nd	Review class
	3 rd	Tube well
	4 th	Piles and Pile cap
	5 th	Isolated and combined footings.
10 th	1 st	Problem analysis.
	2 nd	Problem analysis
	3 rd	Problem analysis
	4 th	Review class
	5 th	Monthly test
11 th	1 st	Works : Classification of work-original,
	2 nd	Major, petty, repair work, annual repair, special repair, quadrantal repair.
	3 rd	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement.
	4 th	Accounts of works – Explanation of various terms Administrative approval
	5 th	Technical sanction, tender, preparation of notice inviting tender, quotations,
12 th	1 st	Earnest money, E-tendering, security deposit,
	2 nd	Advance payment, intermediate payment,

	3 rd	Final payment, running bill, final bill, regular and temporary establishment,
	4 th	Cash, major & subhead of account, temporary advance (imprest money),
	5 th	Supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts .
13 th	1 st	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials,
	2 nd	Labour employed, standard measurement books and common irregularity
	3 rd	Muster roll : Its preparation & use for making payment of pay & wages
	4 th	Acquittance Roll : Its preparation & use for making payment of pay & wages
	5 th	Labour & labour report, method of labour payment, use of forms and necessity of Submission
14 th	1 st	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account,
	2 nd	Preparation and submission of returns, verification of stocks, shortage and excess
	3 rd	Monthly test
	4 th	Building BYLAWS and REGULATORY Bodies,
	5 th	Development authorities, types and their levels, RERA etc
15 th	1 st	Review class
	2 nd	Revision Class
	3 rd	Revision Class
	4 th	Revision Class
	5 th	Revision Class