

LESSON PLAN OF 5TH SEMESTER(2020-21) CIVIL ENGINEERING

Discipline :- CIVIL	Semester:-5 TH	Name of the Teaching Faculty:-KAPILENDRA KUMAR SETHY (LECTURER)
Subject:- ESTIMATION AND COST EVALUATION- II	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/ Practical Topics
1 st	1 st	Detailed estimate of culverts and bridges 1.1 RCC deck slab culvert with right angled wing wall
	2 nd	problem
	3 rd	problem
2 nd	1 st	problem
	2 nd	1.2 Detailed estimate of a simple Hume pipe culvert with splayed angled wingwall
	3 rd	problem
3 rd	1 st	problem
	2 nd	problem
	3 rd	Problem
4 th	1 st	problem
	2 nd	problem
	3 rd	problem
5 th	1 st	problem
	2 nd	problem
	3 rd	problem
6 th	1 st	2. Estimate of irrigation structures 2.1 Detailed estimate of simple type of vertical fall to given specification
	2 nd	problem
	3 rd	problem
7 th	1 st	problem
	2 nd	problem
	3 rd	2.2 Detailed estimate of siphon well drop to given specification.
8 th	1 st	problem
	2 nd	problem
	3 rd	problem
9 th	1 st	3. Detailed estimate of roads 3.1 Detail estimate of a water bound macadam road
	2 nd	problem
	3 rd	problem

10 th	1 st	problem
	2 nd	problem
	3 rd	3.2 Detailed estimate of a National Highway in cutting / filling
11 th	1 st	problem
	2 nd	3.3 Detailed Estimate of a septic tank and soak pit for 50 users
	3 rd	problem
12 th	1 st	PWD accounts works 4.1 Works 1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair
	2 nd	Method of execution of works through the contractors, departmentally, contract and agreement, work order, item rate contract, lump sum contract, labour contract and daily labour, piece work agreement, scheduled contract, cost plus percentage contract Accounts of works 4.2.1 Explanation of various terms Administrative approval, technical sanction, contingency budget, tender, preparation of notice inviting tender, receiving of quotations, earnest money, security deposit, advance payment, on account payment, intermediate payment
	3 rd	final payment, running bill, final, regular and temporary establishment, cash, major & subhead of account, temporary advance, issue rate, storage, supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts
13 th	1 st	4.2.2 Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity
	2 nd	4.2.3 Master roll : Its preparation & use for making payment of pay & wages 4.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages
	3 rd	4.2.5 Labour & labour report, method of labour payment, use of forms and necessity of submission
14 th	1 st	4.2.6 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	Practice of Problems on Muster Roll
15 th	1 st	Practice of Problems on cost analysis
	2 nd	Previous year question answer discussion
	3 rd	REVISION