

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN- 2022/23 (WINTER)

Discipline : CIVIL ENGG		Semester: 5th	Name of the Teaching Faculty :SUBINOY BANERJEE	
Subject : ESTIMATION & COST		No. of Days / per week	Semester From date : 15.09.2022 To Date : 17.01.2023	
MONTH	Week	Day	Unit	Topics
SEPTEMBER	3rd		UNIT-I	Detailed estimate of culverts and bridges
		4th	1.1	Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.
		5th		Question Discussion
	4th	2nd		Question Discussion
			1.2	RCC Hume pipe culvert with splayed angled wing wall
		3rd		Question Discussion
		4th		Question Discussion
			UNIT-II	Estimate of irrigation structures
		5th	2.1	Detailed estimate of simple type of vertical fall to given specification
	5th	2nd		Question Discussion
		3rd		Question Discussion
			2.2	Detailed estimate of drainage siphon to given specification.
		4th		Question Discussion
		5th		Question Discussion
OCTOBER	3rd		UNIT-III	Detailed estimate of roads
		2nd	3.1	Detail estimate of a water bound macadam road
		3rd		Question Discussion
		4th	3.2	Detailed estimate of a flexible pavement in cutting / filling
		5th		Question Discussion
	4th	2nd		Question Discussion
		3rd	3.3	Detailed estimate of septic tank and soak pit for 50 users
		4th		Question Discussion
		5th		Question Discussion
	5th		UNIT-IV	Miscellaneous estimates
		2nd	4.1	Tube well
		3rd		Question Discussion
		4th		Question Discussion

NOVEMBER		5th		Piles and Pile cap
	1st	2nd		Question Discussion
		3rd		Question Discussion
		4th		Isolated and combined footings.
		5th		Question Discussion
	2nd	2nd		Question Discussion
			UNIT-V	PWD Accounts works
		3rd	5.1	Works
		4th	5.1.1	Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
		5th	5.1.2	Concept of Method of execution of works through the contractors and department
	3rd	2nd		contract and agreement, work order, types of contract, piece work agreement.
		3rd	5.2	Accounts of works –
		4th	5.2.1	Explanation of various terms Administrative approval, technical sanction, tender
		5th		preparation of notice inviting tender, quotations, earnest money, E-tendering
	4th	2nd		security deposit, regular and temporary establishment, cash
		3rd		advance payment, intermediate payment, final payment, running bill, final bill
		4th		major & subhead of account, temporary advance (imprest money), supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts .
		5th	5.2.2	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed
	5th	2nd		standard measurement books and common irregularity
		3rd	5.2.3	Muster roll : Its preparation & use for making payment of pay & wages
	1st	4th	5.2.4	Acquittance Roll : Its preparation & use for making payment of pay & wages
		5th	5.2.5	Labour & labour report, method of labour payment, use of forms and necessity of Submission
ECEMBER	2nd		5.2.6	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account
		3rd		preparation and submission of returns, verification of stocks, shortage and excess
		4th	5.3	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
		5th		Question Discussion
	3rd	2nd		Question Discussion
		3rd		Revision
		4th		Revision

D		5th		Revision
	4th	2nd		Revision
		3rd		Revision
		4th		Revision
		5th		Revision