

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN- 2021/22 (WINTER)

Discipline :		Semester: 5th		Name of the Teaching Faculty :SUBINOY BANERJEE	
Subject : ESTIMATION		No. of Days / per week		From date : 01.10.2021	To Date : 31.12.2021
MONTH	Week	Day	Unit	Topics	
			UNIT-I	Detailed estimate of culverts and bridges	
OCTOBER	1st		1.1	Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.	
		5th		Question Discussion	
	2nd	1st		Question Discussion	
			1.2	RCC Hume pipe culvert with splayed angled wing wall	
		2nd		Question Discussion	
		3rd		Question Discussion	
	4th		UNIT-II	Estimate of irrigation structures	
		5th	2.1	Detailed estimate of simple type of vertical fall to given specification	
		1st		Question Discussion	
		3rd		Question Discussion	
			2.2	Detailed estimate of drainage siphon to given specification.	
	5th	5th		Question Discussion	
		1st		Question Discussion	
			UNIT-III	Detailed estimate of roads	
			3.1	Detail estimate of a water bound macadam road	
		2nd		Question Discussion	
		3rd	3.2	Detailed estimate of a flexible pavement in cutting / filling	
NOVEMBER	1st	5th		Question Discussion	
		1st		Question Discussion	
		2nd	3.3	Detailed estimate of septic tank and soak pit for 50 users	
		3rd		Question Discussion	
	2nd	5th		Question Discussion	
			UNIT-IV	Miscellaneous estimates	
		1st	4.1	Tube well	
		2nd		Question Discussion	
		3rd		Question Discussion	

NOVEMBER	3rd	5th		Piles and Pile cap
		1st		Question Discussion
		2nd		Question Discussion
		3rd		Isolated and combined footings.
		5th		Question Discussion
	4th	1st		Question Discussion
			UNIT-V	PWD Accounts works
		2nd	5.1	Works
		3rd	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
	5th	1st		contract and agreement, work order, types of contract, piece work agreement.
		2nd	5.2	Accounts of works –
DECEMBER	1st	3rd	5.2.1	Explanation of various terms Administrative approval, technical sanction, tender
		5th		preparation of notice inviting tender, quotations, earnest money, E-tendering
	2nd	1st		security deposit, regular and temporary establishment, cash
		2nd		advance payment, intermediate payment, final payment, running bill, final bill
		3rd		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
	3rd	1st		standard measurement books and common irregularity
		2nd	5.2.3	Muster roll : Its preparation & use for making payment of pay & wages
		3rd	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
	4th	1st	5.2.6	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account
		2nd		preparation and submission of returns, verification of stocks, shortage and excess
		3rd	5.3	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
		5th		Question Discussion