

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN- 2023/24 (WINTER)

Discipline : CIVIL ENGG.		Semester: 5th		Name of the Teaching Faculty :SUBINOY BANERJEE		
Subject : ESTIMATION & COST EVALUATION-II (TH.5)		No. of Days / per week class allotted : 04		Semester From date : 06.08.2024 To Date : 16.12.2024		
MONTH	Week	Day	Unit	Topics		
AUGUST	2nd		UNIT-I	Detailed estimate of culverts and bridges		
		2nd	1.1	Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.		
		3rd		Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.		
		4th		Question Discussion		
		5th		Question Discussion		
	3rd	2nd	1.2	RCC Hume pipe culvert with splayed angled wing wall		
		3rd		RCC Hume pipe culvert with splayed angled wing wall		
				Question Discussion		
		5th		Question Discussion		
	4th	2nd		UNIT-II	Estimate of irrigation structures	
		3rd	2.1	Detailed estimate of simple type of vertical fall to given specification		
		4th		Detailed estimate of simple type of vertical fall to given specification		
		5th		Question Discussion		
	5th	2nd		CLASS TEST-1		
		3rd		CLASS TEST-1		
		4th		Question Discussion		
			Question Discussion			

SEPTEMBER		5th	2.2	Detailed estimate of drainage siphon to given specification.	
	1st	2nd		Detailed estimate of drainage siphon to given specification.	
		3rd		Question Discussion	
		4th		Question Discussion	
		5th	UNIT-III	Detailed estimate of roads	
		2nd	2nd	3.1	Detail estimate of a water bound macadam road
				Detail estimate of a water bound macadam road	
	3rd			Question Discussion	
	4th			Question Discussion	
	5th		3.2	Detailed estimate of a flexible pavement in cutting / filling	
	3rd	3rd		Detailed estimate of a flexible pavement in cutting / filling	
		4th		Question Discussion	
		5th		Question Discussion	
	4th	2nd		INTERNAL ASSESSMENT	
		3rd	3.3	Detailed estimate of septic tank and soak pit for 50 users	
		4th		Question Discussion	
		5th		Question Discussion	
	OCTOBER	1st	2nd	UNIT-IV	Miscellaneous estimates
				4.1	Tube well
			4th		Tube well
5th				Question Discussion	
3rd		2nd		Question Discussion	
		4th		Piles and Pile cap	
		5th		Piles and Pile cap	
4th		2nd		Question Discussion	
		3rd		Question Discussion	

		4th		Isolated and combined footings.
		5th		Isolated and combined footings.
	5th	2nd		Question Discussion
		3rd	UNIT-V	PWD Accounts works
NOVEMBER	1st	5th	5.1	Works
	2nd	2nd	5.1.1	Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
		3rd	5.1.2	Concept of Method of execution of works through the contractors and department
		4th		contract and agreement, work order, types of contract, piece work agreement.
		5th	5.2	Accounts of works –
	3rd	2nd	5.2.1	Explanation of various terms Administrative approval, technical sanction, tender
		3rd		preparation of notice inviting tender, quotations, earnest money, E-tendering
		4th		security deposit, regular and temporary establishment, cash
	4th	2nd		advance payment, intermediate payment, final payment, running bill, final bill
		3rd		debit, credit, book transfer, voucher and related accounts .
		4th	5.2.2	of materials, labour employed
		5th		standard measurement books and common irregularity
	5th	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
		4th	5.2.5	Labour & labour report, method of labour payment, use of forms and necessity of Submission
		5th	5.2.6	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account
DECEMBER	1st	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.
		4th		Question Discussion
		5th		Question Discussion
		2nd		Revision

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2nd

3rd

Revision

4th

Revision

5th

Revision