

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN- 2020/21 (WINTER)

Discipline : CIVIL ENGG		Semester: 5th	Name of the Teaching Faculty :SUBINOY BANERJEE	
Subject : ESTIMATION & COST		No. of Days / per week	From date : 15.09.2020	To Date :17.03.2021
MONTH	Week	Day	Unit	Topics
SEPTEMBER	3rd	4th	UNIT-I	Detailed estimate of culverts and bridges
			1.1	Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.
	4th	1st		Question Discussion
		4th		Question Discussion
	5th		1.2	RCC Hume pipe culvert with splayed angled wing wall
OCTOBER		1st		Question Discussion
	2nd		UNIT-II	Estimate of irrigation structures
			2.1	Detailed estimate of simple type of vertical fall to given specification
		1st		Question Discussion
	3rd		2.2	Detailed estimate of drainage siphon to given specification.
		1st		Question Discussion
		4th		Question Discussion
	4th		UNIT-III	Detailed estimate of roads
			3.1	Detail estimate of a water bound macadam road
		1st		Question Discussion
			3.2	Detailed estimate of a flexible pavement in cutting / filling
	5th	4th		Question Discussion
		1st		Question Discussion
			3.3	Detailed estimate of septic tank and soak pit for 50 users
		4th		Question Discussion
NOVEMBER	1st		UNIT-IV	Miscellaneous estimates
		1st	4.1	Tube well
		4th		Question Discussion
	2nd			Piles and Pile cap
		1st		Question Discussion

NOVEMBER	2nd	4th		Isolated and combined footings.
		4th		Question Discussion
	3rd	1st	UNIT-V	PWD Accounts works
			5.1	Works
		4th	5.1.1	Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
	4th	1st	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	1st	5.2	Accounts of works –	
DECEMBER	1st	4th	5.2.1	Explanation of various terms Administrative approval, technical sanction, tender
	2nd	1st		preparation of notice inviting tender, quotations, earnest money, E-tendering
		4th		security deposit, regular and temporary establishment, cash
	3rd	1st		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 .
	4th	1st	5.2.2	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed
		4th		standard measurement books and common irregularity
	5th	1st	5.2.3	Muster roll : Its preparation & use for making payment of pay & wages
		4th	5.2.4	Acquittance Roll : Its preparation & use for making payment of pay & wages
	JANUARY	2nd	1st	5.2.5
4th			5.2.6	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account
3rd		1st		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.
4th		1st		Question Discussion
		4th		Question Discussion
5th		1st		Revision
		4th		Revision
JANUARY	1st	1st		Revision
		4th		Revision
	2nd	1st		Revision
		4th		Revision

FEBR	3rd	1st		Revision
		4th		Revision
	4th	1st		Revision
		4th		Revision
MARCH	1st	1st		Revision
		4th		Revision
	2nd	1st		Revision
		4th		Revision