

## Estimation and Cost Evaluation II Lesson Plan for 5th sem 2020-2021 academic year

Unit	Topic	No. of Period	Total period	Grand Total
Detailed estimate of culverts and bridges	Detailed estimate of a RCC slab culvert with right angled wing walls	4	13	90
	Bar Bending Schedule of a RCC Roof slab	1		
	Bar bending schedule of RCC slab culvert with right angled wing walls	3		
	RCC Hume pipe culvert with splayed angled wing wall	5		
Estimate of irrigation structures	Detailed estimate of simple type of vertical fall with abstract	8	15	
	Detailed estimate of drainage siphon with abstract	7		
Detailed estimate of roads	Detail estimate of a water bound macadam road	4	14	
	Detailed estimate of a flexible pavement in cutting / filling	6		
	Detailed estimate of septic tank and soak pit for 50 users	4		
Detailed estimates of miscellaneous works	Tube well (40 mm dia and 50 mm dia)	2	12	
	Piles and pile cap	4		
	Isolated and Combined footings	6		
PWD accounts works	Works, Classification of works and Repairs	1	20	
	Methods of execution of works through the contractors and department	1		
	Contract and agreement, work order, types of contract, piece work agreement	2		
	Accounts of works	1		
	Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money	1		
	E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, final bill	1		
	Regular and temporary establishment, cash, major & subhead of account, temporary advance (imprest money),supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts	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		
	Muster roll : Its preparation & use for making payment of pay & wages	1		
	Acquittance Roll : Its preparation & use for making payment of pay & wages	1		

	Labour & labour report, method of labour payment, use of forms and necessity of Submission	1		
	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account	1		
	Preparation and submission of returns, verification of stocks, shortage and excess	1		
	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA	4		
Revision	Detailed estimate of a RCC slab culvert with right angled wing walls	2	16	
	Bar bending schedule of RCC slab culvert with right angled wing walls	1		
	RCC Hume pipe culvert with splayed angled wing wall	2		
	Detailed estimate of simple type of vertical fall with abstract	3		
	Detailed estimate of drainage siphon with abstract	2		
	Detail estimate of a water bound macadam road	2		
	Detailed estimate of a flexible pavement in cutting / filling	2		
	Isolated and Combined footings	2		