

LESSON PLAN OF 5TH SEMESTER CIVIL ENGINEERING -2024

w.e.f-01.07.2024

Subject:- Estimating & Cost Evaluation-II

Name of the Teaching Faculty:Supriya Bhanja

WEEK NO.	THEORY TOPICS	Periods Assigned per topic	Periods Available Per Week
W-1	Detailed estimate of culverts and bridges 1.1 Detailed estimate of a simple Hume pipe culvert with right angled wing walls	12	4
W-2	1.2 RCC deck slab culvert with right angled wing wall		4
W-3	1.3RCC deck slab culvert with splayed wing wall 1.4Quantity of steel for deck slab with bar bending schedule of the above jobs		4
W-4	2.Estimate of irrigation structures	14	4
W-5	2.1 Detailed estimate of simple type of vertical fall to given specification		4
W-6	2.3Detailed estimate of siphon well drop to given specification.		4+2Extra
W-7	3.Detailed estimate of roads 3.1Detail estimate of a water bound macadam road	12	4
W-8	3.2Detailed estimate of a flexible pavement in cutting / filling		4
W-9	3.2Detailed estimate of septic tank and soak pit for 50 users		4
W-10	4.Miscellaneous estimates 4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	12	4+2Extra
W-11	Problem		4+2Extra
	5.PWD Accounts works		

W-12	5.1 Works 5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair. 5.1.2 Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement. 5.2 Accounts of works –		4
W-13	5.2.1 Explanation of various terms Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, final bill, 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 . 5.2.2 Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity	14	4
W-14	5.2.3 Muster roll : Its preparation & use for making payment of pay & wages 5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages 5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission 5.2.6 Classification of stores, receipt / issue statement on standard form, method of preparation of stock account, preparation and submission of returns, verification of stocks, shortage and excess		4
W-15	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.		2
	REVISION		

Faculty Signature

HOD

Department of Civil Engg.