

LESSON PLAN 2023(W)

Discipline:civil engineering				Name of Faculty- C.M.Swarupa Nanda	
Subject:Est-II(TH5)				Semester From Date:01-08-2023 To Date 30-11-2023	
SEMESTER-5th				No. Of Weeks:19	4P/WEEK
No. of Days/week class allotted:04 period per week(Monday, Wednesday, Thursday & Saturday 1 Period each)					TOTAL PERIOD-60
MO NTH	WEEK	DATE	DAYS/ PERIOD	SYLLABUS TO BE COVERED	NOS. OF PERIODS AVAILABLE
A u g u s t				1.0 Detailed estimate of culverts and bridges(12P)	
				1.1:Detailed estimate of a simple slab culvert with right angled wing walls	
	1st	2.8.2023	Wed	Introduction to culvert , bridge,their types, wing wal	1
		3.8.2023	Thurs	Study of plan, elevation and section of the culverts	1
		5.8.2023	Sat	I- Class brick work in cement mortar	1
	2nd	7.8.2023	Mon	Bar bending scheduleRCC work in slab, steel bars including bending in RCC work	1
		9.8.2023	Wed	Cement pointing	1
		10.8.2023	Thurs	Doubt clearing class	1
				1.2 RCC Hume pipe culvert with splayed angled wing wall	
		12.8.2023	Sat	Introduction to hume pipe and study of plan elevation and section of hume pipe from drawing	1
	3rd	14.8.2023	Mon	Earthwork Excavation in foundation, cement concrete in foundation	1
		16.8.2023	Wed	I- Class brick work in cement mortar	1

	17.8.2023	Thurs	I- Class brick work in cement mortar	1
	19.8.2023	Sat	cement pointing and hume pipe estimate and	1
	21.8.2023	Mon	cement pointing and hume pipe estimate and	1
4th			2.0 Estimate of irrigation structures(14P)	
			2.1Detailed estimate of simple type of vertical fall to given specification	
	23.8.2023	Wed	Introduction to irrigation structures,Cross drainage v	1
	24.8.2023	Thurs	Study of plan, elevation and section of the fall	1
	26.8.2023	Sat	2.1 Detailed estimate of simple type of vertical fall to given specification,Earthwork in excavation	1
	28.8.2023	Mon	Cement concrete in foundation and floor	1
	31.8.2023	Thurs	I-class brickwork in cement mortar,Brick -on-edge floor in cement mortar	1
5th				
1st	2.9.2023	Sat	Brick pitching	1
	4.9.2023	Mon	Problem of fall from M. Chakraborty book,Study of plan, elevation and section of the fall	1
			2.2 Detailed estimate of drainage siphon to given specification.	
	7.9.2023	Thurs	Review of cross drainage work and introduction to drainage syphon ,Study of plan, elevation and section of the Siphon	1
	9.9.2023	Sat	2.2 Detailed estimate of siphon well drop to given specification,Earthwork in excavation in foundation	1
2nd	11.9.2023	Mon	Cement concrete in foundation	1
	13.9.2023	Wed	I-class brickwork in cement mortar	1
	14.9.2023	Thurs	R.C.C. work in slab,Brick flooring in cement mortar	1
	16.9.2023	Sat	Cement pointing &Brick pitching	1
3rd				

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September	4th	18.9.2023	Mon	Doubt clearance and Problem of fall from M. Chakraborty book, Study of plan, elevation and section of the Siphon	1
				3.0 Detailed estimate of roads (12P)	
				3.1 Detail estimate of a water bound macadam	
		21.9.2023	Thurs	Terminologies related to road, lead, lift and methods of calculation	1
		23.9.2023	Sat	Calculation of quantity of earthwork by Mid-Sectional Area method, Mean Sectional Area, Prismoidal Area	1
	5th	25.9.2023	Mon	Problems Practice	1
		27.9.2023	Wed	Problems Practice	1
				3.2 Detailed estimate of a flexible pavement in cutting / filling (4P)	
		28.9.2023	Thurs	Brief description about fully in cutting, fully in filling and partly in banking and partly in cutting	1
		30.9.2023	Sat	Problems	1
October	1st	4.10.2023	Wed	Problems	1
		5.10.2023	Thurs	Problems	1
				3.2 Detailed estimate of septic tank and soak pit	
		7.10.2023	Sat	Introduction to septic tank, soak pit and its	1
		9.10.2023	Mon	Estimate of septic tank and soak pit for 50 users	1
	2nd	11.10.2023	Wed	Estimate of septic tank and soak pit for 50 users	1
		12.10.2023	Thurs	Estimate of septic tank and soak pit for 50 users	1
				4. Miscellaneous estimates (12P)	
				4.1 Tube well	
		14.10.2023	Sat	Introduction to tube well with its constructional	1
	3rd	16.10.2023	Mon	Estimate of Tube well	1
		18.10.2023	Wed	Estimate of Tube well	1
		19.10.2023	Thurs	Estimate of Tube well	1
			4.2: Piles and Pile cap		

	5th	30.10.2023	Mon	Piles and Pile cap	1
N o v e m b e r	1st	1.11.2023	Wed	Piles and Pile cap	1
		2.11.2023	Thurs	Piles and Pile cap	1
		4.11.2023	Sat	Piles and Pile cap	1
				4.3: Isolated and combined footings.(4p)	
	2nd	6.11.2023	Mon	Isolated and combined footings.	1
		8.11.2023	Wed	Isolated and combined footings.	1
		9.11.2023	Thurs	Isolated and combined footings.	1
		11.11.2023	Sat	Isolated and combined footings.	1
				5. PWD Accounts work (10P)	
				5.1 Works	
	3rd	13.11.2023	Mon	5.1.1 Classification of work-original, major, petty,	1
		15.11.2023	Tues	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. & –	1
			5.2 Accounts of works		
16.11.2023		Thurs	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 .	1	

	18.11.2023	Sat	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 .	1
4th	20.11.2023	Mon	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	1
	22.11.2023	Wed	5.2.3 Muster roll : Its preparation & use for making payment of pay & wages	1
	23.11.2023	Thurs	5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages	1
	25.11.2023	Sat	5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission	1
	29.11.2023	Wed	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	1
5th	30.11.2023	Thurs	5.3 Building BYLAWS and REGULATORY Bodies, Deve	1