

LESSON PLAN 2023(W)

Discipline:civil engineering				Faculty Name:- C.M. Swarupa Nanda		
Subject:Est-II(TH5)				Semester From Date:1-8-2023 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					TOTAL PERIOD-60	
MON TH	WEE K	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 wa	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

4th	21.8.2023	Mon	cement pointing and hume pipe estimate and	1	
			2.0 Estimate of irrigation structures(14P)		
			2.1 Detailed 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	
	5th	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	
S e p t e m b e r	1st	2.9.2023	Sat	Brick pitching	1
	2nd	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
	3rd	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
			18.9.2023	Mon	Doubt clearance and Problem of fall from M. Chakraborty book,Study of plan, elevation and section of the Siphon
				3.0 Detailed estimate of roads (12P)	

4th			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		
	25.9.2023	Mon	Problems Practice	1		
	27.9.2023	Wed	Problems Practice	1		
			3.2Detailed 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		
	O c t o b e r	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,soakpit and its	1	
2nd		9.10.2023	Mon	Estimate of septic tank and soak pit for 50 users	1	
		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	1st	1.11.2023	Wed	Piles and Pile cap	1	
		2.11.2023	Thurs	Piles and Pile cap	1	

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	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	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
5th	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
	30.11.2023	Thurs	5.3 Building BYLAWS and REGULATORY Bodies, Deve	1