## GOVERNMENT POLYTECHNIC, SAMBALPUR (RENGALI)

NAME OF THE FACULTY: Shri. NIRANJAN JENA ( PTGF), Civil Engineering
LESSON PLAN FOR ESTIMATING AND COST EVALUATION-II (TH.5) FOR 5TH SEM, CIVIL ENGG,
WINTER-2023 W.E.F. 12.08,2023

WEEK NO	DATE	TOPIC	PERIODS ASSIGNED PER TOPIC	
W-1	01.08.23 TO 05.08.23	culvert & bridge  Detailed study of plan and sectional elevation of RCC deck slab culvert with right		4
VV-Z	10 1626181	angled wing wall Calculation of E/W in excavation, cement concrete work in foundation & Brick work (ELLIC), SAMMALPUR (RENCING COMPANY OF RCC deck slab culverty (PTST), CIVILE.  Bar bending schedule (COST EVALUATION (THIS) FOR STHE Calculation of quantity of RCC work & reinforcement		<b>4</b>
117K NO.	DVIE	Calculation of quantity of cement concrete wearing coat &cement pointing of RCC TOPIC slab culvert	PFK10.75 45%:CN1.0	AN AHLAHA E
	01 08 23	Detailed study of plan & sectional elevation of hume pipe culvert with right angled types or curvert, parts of a culvert wing walfice between	rek124	PER WELL
W l	05.08.23 <b>14.08.23</b>	Calculation of quantity of E/W in excavation and cement concrete work in foundation	,	7
W-3	TO 19.08.23	of hume pipe culvert  Calculation of quantity of brickwork in cement mortar of hume pipe culvert in excavation, cement concrete work in		4
	07.08 23 10 12.08.23	Calculation of quantity of cement pointing of hume pipe culvert more and second convert Detailed study of plan & sectional elevation of a slab culvert	,	
		with splayed Wing mity of RCC work & reimpreement wall disting an quantity of coment concrete wearing cost & content pointing of RCC	¥	No.
W-4	21.08.23 TO	2. Concept of fall, its types and necessity of a merce pape. Study of plan& sectional elevation of a vertical fall. Calculation of quantity of earthwork in excavation of vertical.	.2	4
W-5	28.08.23 TO	Calculation of quantity of earth work in excavation of vertical concrete work in vertical fall		4
		Calculation of quantity of brickwork in 1:4 cement mortar of Canada and Grandity of comment pointing of matter paper rule. It is a second of canada and Grandity of practice of comments of comments of the canada and Grandity of practice of comments of comment		
VV 1	23 05 25 TU 26 05 35	C. Concept of tall, as reposition incressing.		

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- Care			vertical fall	1		_
0.00	10 at	- 1 2 2	Calculation of quantity of brick on edge flooring & brick pitching Of fall	* 1 2		
	2	04.09.23	Calculation of quantity of cement pointing in 1:3 cement			
	W-6	TO	mortar of fall	F. (6)		
	VV-0	09.09.23	Concept of cross drainage work, its types and introduction to		4	
	1	09.09.23	drainage syphon ,Study of	14		
			plan and sectional elevation of a drainage syphon			
		i a a asina is	Study of plan and sectional elevation of a drainage syphon			
	`		Calculation of quantity of earthwork in excavation and	-		
			cement concrete work in	9		_
-			foundation of drainage syphon		1	
-			Calculation of quantity of brickwork in 1:4 cement mortar of			
1		11.09.23	drainage siphon		4	
	W-7	TO	Calculation of quantity of RCC work in slab, 10 cm thick brick			
١	• • • • • • • • • • • • • • • • • • • •	16.09.23	flooring in 1:3 cement		2	
		10.03.23	mortar & 10 cm dry brick pitching of drainage synhon			-
			Calculation of quantity of cement pointing in 1:2 cement			1
		04.05.25	Imortar of drainage siphon			1
	W-6	TO	mortal of [2,]		4	1
		09.09.23	Concept of cross are. The more, its types at a minocection to	- •		$\dashv$
		18.09.23	3. Concept of lead and lift, derivation of formula for			1
-	W-8	ТО	calculation of earthwork using		4	
		23.09.23	different methods  Problem discussion on calculation of parthyearly using Maid		p	
-		the state of the temperature of the second s	Problem discussion on calculation of earthwork using Mid-	i.		l
		= ' <sub>1</sub> 7 - '	sectional Area method,			1
		25.09.23	Mean sectional Area Method and Prismoidal Formula			
	W-9	11 TO	Calculation of earthwork of a road in banking			l
		30.09.23	Calculation of earthwork of a road in banking		4	
	VV /	16.03 23	Calculation of earthwork of a road in banking and cutting		2	
		10.05 23	Calculation of earthwork of a road in banking and cutting	12		
			Detailed estimate of a water bound macadam road	-		
		3 × 2	Detailed estimate of a water bound macadam road, Detailed estimate of a national	-:		
			highway in cutting and banking Detailed estimate of septic	-		
		03.10.23	tank and soak pit for 50 users			
	W-10	TO	Detailed estimate of septic tank and soak pit for 50 users		4	
		07.10.23	Detailed estimate of septic tank and soak pit for 50 users			
		3653	times, also medicates			
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			restant. Area metrico,			
	gery al. T	وعرون وع	Caraca Maria a Programa o Cara a seconda for a come a			
	W B	09.10.23	4. Detailed estimate of Tube well(Prepare an estimate of a 40		4.	
	W-11	TO	mm dia. Tube well 40		4	
		14.10.23	meter deep from the given drawing)			
			Detailed estimate of Tube well(Prepare an estimate of a 40	74	ng avadential operation of the control of the con-	
		-	mm dia. Tube well 40			
			issumate of a mational	- A - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
		63.10.23	Ingrissay in dusting and pentang - portain a estimate of P ptic tank and each pit for 60 ages;			
	vv is	1.0	wat ming perintials of sequences in the medical set of the second			
		10710				

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		meter deep from the given drawing)		
		Detailed estimate of Table 1999		
		Detailed estimate of Tube well(Prepare an estimate of a 40 mm dia. Tube well 40		
	16.10.23			
W-12	TO	meter deep from the given drawing)		
	20.10.23	Detailed estimate of Tube well(Prepare an estimate of a 40	1	4
	4.5	mm dia. Tube well 40		1
	46. 46. × 4	meter deep from the given drawing)		ŀ
		Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		1
		TUBE WELL WITH		
		DEEP HAND PUMP)	12	
		DISCUSSION OF CLASS TEST QUESTION AND ANSWER SHEET		
		DISTRIBUTION		
		Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		1
		TUBE WELL		1
	H man i i	WITH DEEP HAND PUMP)		
	30.10.23	Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		
W-13	то	TUBE WELL WITH		4
	04.11.23			,
89 12	10	Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		
	₹0.10 23	TUBE WELL WITH		
		DEEP HAND PUMP)		
		Detailed estimate of Piles and Pile cap		
a fire and		Detailed estimate of Isolated and combined footings.		
		Dite imb rum?)		
<u> </u>		Discussion, or chillen, and amount and record in surely	***	
		5: Classification of work-original, major, petty, repair work,		
		annual repair, special		
	06.11.23	repair, quadrantal repair. Concept of Method of execution of		
W-14	TO	works through the		4
	11.11.23	contractors and department, contract and agreement, work		4
10 13	iu	order, types of contract,		ζ.
	د ي ، 4.1 د	piece work agreement.		
		Explanation of various terms		
		Administrative approval, technical sanction, tender,		
		preparation of notice inviting		
		tender, quotations, earnest money, E-tendering, security	_	
		deposit, advance payment,		
1		intermediate payment, final payment, running bill, final bill,	1	
W-15	13.11.23	regular and temporary establishment, cash, major & subhead of account, temporary		tanoemidiko das 14 mili.
M-12	TO 18.11.23	advance (imprest		4
in the second	10.11.25	money), supervision charges, suspense account, debit, credit,		
	6.1.	book transfer, voucher		
47.00	1	and related accounts.	10	
	1111	Measurement book use & maintenance, procedure of	Sa Sa	
		marking entries of	L	
		Proposition of the form		
		Asiminstrative appropriate and the second second		a debendance on income
		proparation of marks in and		4
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W-16	20.11.23 TO 25.11.23	measurement of work and supply of materials, labour employed, standard measurement books and common irregularity, Muster roll: Its preparation & use for making payment of pay & wages, Acquittance Roll: Its preparation & use for making payment of pay & wages, Labour & labour report, method of labour payment, use of forms and necessity of Submission 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, Building BYLAWS and REGULATORY Bodies,  Development authorities, types and their levels, RERA etc.
W-17	28.11.23 TO 30.11.23	REVISION & DISCUSSION TO making payment of pay & wages, Acquittance Roll: its
W 10	25.1	making payment of pay & wages, Labour & labour report, inethod of labour  method of labour  moderate is formed and necessity of Submission  20, PTGF1CM  21, PTGF1CM  22, PTGF1CM  23, PTGF1CM  24, PTGF1CM  24, PTGF1CM  25, PTGF1CM  26, PTGF1CM  26, PTGF1CM  27, PTGF
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