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. 19.08.2023

WEEK NO	DATE	TOPIC 25 A	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
W-2		angled wing wall Calculation of E/W in excavation, cement concrete work in foundation & Brick work TECHNIC, SAMBALPLIR (RENC in cement mortar of RCC deck slab culverts, (PTGF), Civil En Bar bending schedule. CUST PARLAMBER (PHS) FOR STH Calculation of quantity of RCC work, & reinforcement Calculation of quantity of cement concrete wearing coat	jinae.ina	4 .NGG,
MER NO.	DVII	&cement pointing of RCC	PERIODS ASSESSED PERIODE	VALUE I
w 1.	01.08(3); FO	Detailed study of plan & sectional elevation of hume pipe culvert With right angled types of culvert, parts of a culvert wing Wall Calculation of quantity of E/W in excavation and cement concrete work in foundation	12	VI.
W-3		of hume pipe culvert Calculation of quantity of brickwork in cement mortar of hume pipe culvert in excavation, cement concrete work in		4
W Z	12.08.23	Calculation of quantity of cement pointing of hume pipe culvert mortar of RCC deck hab culvert Detailed study of plan & sectional elevation of a slab culvert with splayed wing maity or RCC work & remore ement		
4-1-1		Wall plation of quantity of coment concrete wearing coat .		
W-4	21.08.23 TO	2. Concept of fall, its types and necessity of a manual pape. Study of plan& sectional elevation of a vertical fall. Calculation of quantity of earthwork in excavation of vertical.	13	4
N-5	28.08.23 TO 02.09.23 f	Calculation of quantity of earth work in excavation & cement concrete work in the country of the		4
	V	Can antibut of Gadicate of Carrette portuing in higher pape alvert Direct arranged paint seedle care carrett of the carrett Althophaged care.		
4	7 1 4	Concept of tale as a parama nece and taley of tale.		

		Laving spinish by the second s		
W-	6 TO 09.09	vertical fall Calculation of quantity of brick on edge flooring & brick pitching Of fall Calculation of quantity of cement pointing in 1:3 cement mortar of fall Concept of cross drainage work, its types and introduction to drainage syphon ,Study of plan and sectional elevation of a drainage syphon Study of plan and sectional elevation of a drainage syphon	14	4
W-7	16.09.	cement concrete work in foundation of drainage syphon Calculation of quantity of brickwork in 1:4 cement mortar of drainage siphon Calculation of quantity of RCC work in slab, 10 cm thick brick flooring in 1:3 cement mortar & 10 cm dry brick pitching of drainage syphon Calculation of quantity of cement pointing in 1:2 cement mortar of drainage siphon		2
	09.09.	Utility seems of the form of		4
W-8	18.09.2 TO 23.09.2	3 different methods Problem discussion on calculation of services		4
W-9	25.09.2 11.TO 30.09.2	Mean sectional Area Method and Prismoidal Formula Calculation of earthwork of a road in banking Calculation of earthwork of a road in banking Calculation of earthwork of a road in banking and cutting Calculation of earthwork of a road in banking and cutting	12	4
7	03.10.23	Detailed estimate of a water bound macadam road Detailed estimate of a water bound macadam road, Detailed estimate of a national highway in cutting and banking Detailed estimate of septic tank and soak pit for 50 users		
W-10	TO 07.10.23	Detailed estimate of septic tank and soak pit for 50 users Detailed estimate of septic tank and soak pit for 50 users		4
W-11	09.10.23 TO 14.10.23	4. Detailed estimate of Tube well(Prepare an estimate of a 40 mm dia. Tube well 40 meter deep from the given drawing) Detailed estimate of Tube well(Prepare an estimate of a 40 mm dia. Tube well 40	14	4
ve Tu l	03 1G.∤3 10 12.1C 13	mm dia. Tube well 40 estimate of a 40 mignivary in coming and banking meaning estimate of septic time and society. For all users parallel or mineral of society and banking or and estimate of septic time and society.		

		meter deep from the given drawing) Detailed estimate of Tube well(Prepare an estimate of a 40		
	16.10.23	mm dia. Tube well 40		
W-12	TO	meter deep from the given drawing)		
	W. T. S.	Detailed estimate of Tube well(Prepare an estimate of a 40		4
	20.10.23	mm dia. Tube well 40		
		meter deep from the given drawing)		
		Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		
A SECTION AND	Wido of the	TUBE WELL WITH		
Water to		DEEP HAND PUMP)	12	
		DISCUSSION OF CLASS TEST QUESTION AND ANSWER SHEET		
		DISTRIBUTION		1
		Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		
		TUBE WELL		
1	and the second	WITH DEEP HAND PUMP)		1 -
	30.10.23	Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		
W-13	TO	TUBE WELL WITH		4
	04.11.23	DEEP HAND PUMP)		
		Detailed estimate of Tube well(ESTIMATE OF 50 MM Dia.		2.
VV- 1 Z	00.10.77	TUBE-WELL WITH		
	20.10.23	DEEP HAND PUMP)		
		Detalled estimate of Piles and Pile cap		
	7	Detailed estimate of isolated and combined footings.		
		TOM WITE WITE	15	
	1	Differ manus rum?)	337	ł
		5. Classification of work-original, major, petty, repair work,		
	1	annual repair; special		
	06.11.23	repair, quadrantal repair. Concept of Method of execution of		. 8-
W-14	TO	works through the		4
77.14	11.11.23	contractors and department, contract and agreement, work		
VV 13	10	order, types of contract,		A
	041	piece work agreement.		
		Explanation of various terms (1997) (1997) (1997) (1997)	1 68	,
		Administrative approval, technical sanction, tender,		
		preparation of notice inviting		T.
		tender, quotations, earnest money, E-tendering, security		
		deposit, advance payment,		
	19	intermediate payment, final payment, running bill, final bill,		
	13.11.23	regular and temporary	11	
W-15	то	establishment, cash, major & subhead of account, temporary	100	4
	18.11.23	advance' (Imprest'		
		money), supervision charges, suspense account, debit, credit,		
	16.1.	book transfer, voucher		
(1.4	1.	and related accounts .	10	
	.1.11	Measurement book use & maintenance, procedure of		
	2 750	marking entries of		* * *
		Fr. S. NATE OF SELECTIONS LAUGHTEEN OF SELECTIONS	-	1
		Administrative upproves secures the second		
		prepulation of nortee making		
		tender, contations, account appear to appear the second		
	7	deposit, tar ance pay tage		

		measurement of work and supply of materials, labour		
		lemployed, standard		
		measurement books and common irregularity, Muster roll:	75-61	
12 -12 K	Market Company	Its preparation & use		
		for making payment of pay & wages, Acquittance Roll : Its preparation & use for		
	20.11.23	making payment of pay & wages, Labour & labour report, method of labour		
N-16	то	payment, use of forms and necessity of Submission	1	2
	25.11.23	Classification of stores, receipt / issue statement on standard form, method of		
		preparation of stock account, preparation and submission of returns, verification of	2 4	
		stocks, shortage and excess, Building BYLAWS and		
	- Lipini	REGULATORY Bodies,		the second color of the second second
		Development authorities, types and their levels, RERA etc.		
3	28.11.23	measurement books and common irregularity, Muster roll:	_	
	то	REVISION & DISCUSSION		
W-17	30.11.23	for making payment of pay & wages, Acquittance Roll : Its		
		making payment of pay & wages, Labour & labour report,		- - -
	20 11.23	method of labour		
W lo	100	Cayment, use of forms and necessity of Submission		2
	25 (13)	12 08 2023 stores receipt / issue statement on standard	205	2
	(N. Jer	a, PTGF1CM) _ regunt, preparation and summission of	2008	23
SIC	GNATURE OF	SUBJECT TEACHER		Lin
	CIVILE	NGG DEPT Trification of SIGNATURE SIGNAT	OF HOD	14c)
		REGULATORY Bodies, Civil Frag	Dent	
		Development authorities, types and their levels, RERA egp SBP (A	Rengali	1
			W.	
	28.11 23	a tom		- 1
	100	C/S BY PRINCIPAL		
.v 1/	30.11.12	C.D. CAAADALDUD		

G.P. SAMBALPUR

Govt. Polytechnic, Sambalpur

Rengali-768212 (Odisha)

SIGNATU. LI SLEVECT TEACHÉR

SIGNATURE OF HOU-CIVILENCE DEPT

C/S BY PRINCIPAL G.P. SAIMBALPUR