

Department: Civil Engineering	Semester : 5TH 2nd shift	Name of the Teaching faculty: JASODHARA SAHOO	
Subject :- Th 5 ESTIMATING AND COST EVALUATION -II	No.of Days/ week class allotted : 04/week	Semester from date: 15/09/2022 to 22/12/2022	No. of Weeks :15
Week	Class Day	Topics	Remarks
1 st Week: (15 th Sept- 17th Sept)		1.Detailed estimate of culverts and bridges	
	3 rd	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	4 th	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
2 nd Week: (19 th Sept - 24 th Sept)	1 st	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	2 nd	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	3 rd	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	4 th	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
3 rd Week: (26 th Sept-1st Oct)	1 st	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	2 nd	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	3 rd	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	4 th	1.2 RCC Hume pipe culvert with splayed angled wing wall	
4th week	vacation		
5 th Week: (10 th Oct- 15 th Oct)	1st	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	2nd	1.2 RCC Hume pipe culvert with splayed angled wing wall	
		2.Estimate of irrigation structures	
	3rd	2.1Detailed estimate of simple type of vertical fall to given specification	
	4th	2.1Detailed estimate of simple type of vertical fall to given specification	

6 th Week: (17 th Oct- 22 nd Oct)	1st	2.1Detailed estimate of simple type of vertical fall to given specification	
	2nd	2.1Detailed estimate of simple type of vertical fall to given specification	
	3rd	2.1Detailed estimate of simple type of vertical fall to given specification	
	4th	2.1Detailed estimate of simple type of vertical fall to given specification	
7 th Week: (25 th Oct- 29 TH Oct)	2nd	2.1Detailed estimate of simple type of vertical fall to given specification	
	3rd	2.2Detailed estimate of drainage siphon to given specification	
	4th	2.2 Detailed estimate of drainage siphon to given specification	
8 th Week: (31st oct- 5th Nov)	1st	2.2 Detailed estimate of drainage siphon to given specification	
	2nd	2.2Detailed estimate of drainage siphon to given specification.	
	3rd	2.2Detailed estimate of drainage siphon to given specification	
	4th	2.2Detailed estimate of drainage siphon to given specification	
9 th Week: (7 th Nov -12 th Nov)	1st	2.2Detailed estimate of drainage siphon to given specification	
		3.Detailed estimate of roads	
	3rd	3.1Detail estimate of a water bound macadam road	
	4th	3.1Detail estimate of a water bound macadam road	
	1st	3.1Detail estimate of a water bound macadam road	

10 th Week: (14 th Nov - 19 th Nov)	2nd	3.1Detail estimate of a water bound macadam road	
	3rd	3.2Detailed estimate of a flexible pavement in cutting / filling	
	4th	3.2Detailed estimate of a flexible pavement in cutting / filling	
11 th Week: (21st Nov - 26 th Nov)	1st	3.2Detailed estimate of a flexible pavement in cutting / filling	
	2nd	3.2Detailed estimate of a flexible pavement in cutting / filling	
	3rd	3.2Detailed estimate of a flexible pavement in cutting / filling	
	4th	3.3 Detailed estimate of septic tank and soak pit for 50 users	
12 th Week: (28 th Nov -3 rd) Dec	1st	3.3 Detailed estimate of septic tank and soak pit for 50 users	
	2nd	3.3 Detailed estimate of septic tank and soak pit for 50 users	
	3rd	4. Miscellaneous estimates	
	4th	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
13 th Week: (5 th Dec -10 th Dec)	1st	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	2nd	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	3rd	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	4th	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
14 th Week: (12 th Dec- 17th Dec)	1st	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	2nd	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	

14 th Week: (12 th Dec- 17th Dec)	3rd	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	4th	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
15 th Week: (19 th Dec- 22nd Dec)	1st	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	2nd	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
		4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
EXTRA CLASSES	5. PWD Accounts works		
	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 –		
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			
5.2.3 Muster roll : Its preparation & use for making payment of pay & wages			

EXTRA CLASSES	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	
	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.	
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Jaedharra Sahoo

Signature of Faculty