

Department; Civil Engineering	Semester : 5TH Sec-B	Name of the Teaching faculty: ARPITA SAHOO	
Subject :- Th 5 ESTIMATING AND COST EVALUATION -II	No.of Days/ week class allotted : 03 DAYS (4 periods)	Semester from date: 01/08/2023 to 30/11/2023 No. of Weeks :18	
Week	Class Day	Topics	Remarks
1ST WEEK		1.Detailed estimate of culverts and bridges(12P)	
	DAY 1	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	DAY2	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	DAY 3	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
2ND WEEK	DAY 1	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	DAY 2	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
	DAY 3	1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule	
3RD WEEK	DAY 2	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	DAY 3	1.2 RCC Hume pipe culvert with splayed angled wing wall	
4TH WEEK	DAY 1	1.2 RCC Hume pipe culvert with splayed angled wing wall	
		2.Estimate of irrigation structures (14)	
	DAY2	2.1Detailed estimate of simple type of vertical fall to given specification	
	DAY 3	2.1Detailed estimate of simple type of vertical fall to given specification	
5TH WEEK	DAY 1	2.1Detailed estimate of simple type of vertical fall to given specification	
	DAY 3	2.1Detailed estimate of simple type of vertical fall to given specification	
6TH WEEK	DAY 1	2.1Detailed estimate of simple type of vertical fall to given specification	
	DAY 3	2.1Detailed estimate of simple type of vertical fall to given specification	
7th WEEK	DAY 1	2.1Detailed estimate of simple type of vertical fall to given specification	
	DAY2	2.2Detailed estimate of drainage siphon to given specification	
	DAY 3	2.2 Detailed estimate of drainage siphon to given specification	
8th WEEK		2.2 Detailed estimate of drainage siphon to given specification	
	DAY 3	3.Detailed estimate of roads (12)	

		3.1Detail estimate of a water bound macadam road	
9TH WEEK	DAY 1	3.1Detail estimate of a water bound macadam road	
	DAY2	3.1Detail estimate of a water bound macadam road	
	DAY 3	3.1Detail estimate of a water bound macadam road	
10TH WEEK	DAY 1	3.2Detailed estimate of a flexible pavement in cutting / filling	
	DAY2	3.2Detailed estimate of a flexible pavement in cutting / filling	
	DAY 3	3.2Detailed estimate of a flexible pavement in cutting / filling	
11TH WEEK	DAY 1	3.2Detailed estimate of a flexible pavement in cutting / filling	
	DAY2	3.2Detailed estimate of a flexible pavement in cutting / filling	
	DAY 3	3.3 Detailed estimate of septic tank and soak pit for 50 users	
		4. Miscellaneous estimates (10)	
12TH WEEK	DAY 1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
		4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	DAY 3	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
		4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
13TH WEEK		VACATION	
14TH WEEK	DAY 1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	DAY2	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
	DAY 3	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
		4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
15TH WEEK	DAY 1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings	
		5. PWD Accounts works (10)	
	DAY2	5.1 Works Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair	5.1.1
DAY 3	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.		

16TH WEEK	DAY 1	5.2 Accounts of works – 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 .	5.2.1
	DAY2	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	
	DAY 3	5.2.3 Muster roll : Its preparation & use for making payment of pay & wages	
17TH WEEK	DAY 1	5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages	
	DAY2	5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission	
	DAY 3	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	
18TH WEEK	DAY 1	REVISION	
	DAY2	REVISION	
	DAY 3	REVISION	

Arpita Sahoo 1/08/2023
Signature of Faculty