

LESSON PLAN OF ESTIMATION & COST EVALUATION – II 5TH SEM SECTION A			
DISCIPLINE : CIVIL	Semester : 5th sem (sec. A)	Name of the Teaching faculty: DEBASHIS BEHERA	
Subject :- . ESTIMATION & COST EVALUATION – II	No.of Days/ week class allotted : 03 DAYS (04 PERIODS)	Semester from date:15/09/2022 to 22/12/2022 No. of Weeks :15 Topics to be covered:-	
Week	Class Day	Topics	Remarks
1. Detailed estimate of culverts and bridges(12period)			
1ST WEEK	3	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.	
2ND WEEK	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.	
	2	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.	
	3	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.	
3RD WEEK	1	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	2	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	3	1.2 RCC Hume pipe culvert with splayed angled wing wall	
4TH WEEK	HOLIDAY		
5TH WEEK	1	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	2	1.2 RCC Hume pipe culvert with splayed angled wing wall	
	2. Estimate of irrigation structures(14)		
6TH WEEK	3	2.1Detailed estimate of simple type of vertical fall to given specification	
	1	2.1Detailed estimate of simple type of vertical fall to given specification	
	2	2.1Detailed estimate of simple type of vertical fall to given specification	
7TH WEEK	3	2.1Detailed estimate of simple type of vertical fall to given specification	
	1	2.1Detailed estimate of simple type of vertical fall to given specification	
	2	2.2Detailed estimate of drainage siphon to given specification.	
8TH WEEK	3	2.2Detailed estimate of drainage siphon to given specification.	
	1	2.2Detailed estimate of drainage siphon to given specification.	
	2	2.2Detailed estimate of drainage siphon to given specification.	
3. Detailed estimate of roads(12)			
9TH WEEK	2	3.1Detail estimate of a water bound macadam road 3.2Detailed estimate of a flexible pavement in cutting	
	3	3.1Detail estimate of a water bound macadam road 3.2Detailed estimate of a flexible pavement in cutting	
10TH WEEK	1	3.1Detail estimate of a water bound macadam road 3.2Detailed estimate of a flexible pavement in cutting	
	2	3.1Detail estimate of a water bound macadam road 3.2Detailed estimate of a flexible pavement in cutting	
	3	3.1Detail estimate of a water bound macadam road 3.2Detailed estimate of a flexible pavement in cutting	
11TH WEEK	1	3.1Detail estimate of a water bound macadam road 3.2Detailed estimate of a flexible pavement in cutting	
	2	3.2Detailed estimate of septic tank and soak pit for 50 users	
	3	3.2Detailed estimate of septic tank and soak pit for 50 users	

12TH WEEK	1	3.2 Detailed estimate of septic tank and soak pit for 50 users	
		4. Miscellaneous estimates(12)	
	2	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
	3	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
13TH WEEK	1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
	2	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
	3	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
14TH WEEK	1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
	2	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
	3	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
15TH WEEK	1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.	
		5. PWD Accounts works	
	2	5.1 Works	
EXTRA CLASSES		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 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.	



Signature of faculty

