

Lesson Plan

Programme- Diploma in Civil Engg.	Semester-5th		Faculty Name- Amit Kumar Sahu Sr. Lecturer,Civil Engg.
Subject- Estimating & Cost Evaluation- II(Th-5)	No. of Days/week class allotted-04 Total no. of Class-60	Session -Winter-20 <u>22</u> No. of Weeks- 15	
Week No.	Class Day	Topics	
1st	1st	Detailed estimate of culverts and bridges- Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.	
	2nd	Detailed estimate of culverts and bridges- Detailed estimate of a RCC slab culvert with right angled wing walls with barbending schedule	
	3rd	Detailed estimate of culverts and bridges- Detailed estimate of a RCC slab culvert with right angled wing walls with barbending schedule	
	4th	Detailed estimate of culverts and bridges- Detailed estimate of a RCC slab culvert with right angled wing walls with barbending schedule	
2nd	1st	Detailed estimate of culverts and bridges- Detailed estimate of a RCC slab culvert with right angled wing walls with barbending schedule	
	2nd	Detailed estimate of culverts and bridges-Detailed estimate of a RCC slab culvert with right angled wing walls with barbending schedule	
	3rd	RCC Hume pipe culvert with splayed angled wing wall	
	4th	RCC Hume pipe culvert with splayed angled wing wall	
3rd	1st	RCC Hume pipe culvert with splayed angled wing wall	
	2nd	RCC Hume pipe culvert with splayed angled wing wall	
	3rd	RCC Hume pipe culvert with splayed angled wing wall	
	4th	RCC Hume pipe culvert with splayed angled wing wall	
4th	1st	Estimate of irrigation structures- Detailed estimate of simple type of vertical fall to given specification	
	2nd	Detailed estimate of simple type of vertical fall to given specification	
	3rd	Detailed estimate of simple type of vertical fall to given specification	
	4th	Detailed estimate of simple type of vertical fall to given specification	
5th	1st	Detailed estimate of simple type of vertical fall to given specification	
	2nd	Detailed estimate of simple type of vertical fall to given specification	
	3rd	Detailed estimate of simple type of vertical fall to given specification	
	4th	Detailed estimate of drainage siphon to given specification.	
6th	1st	Detailed estimate of drainage siphon to given specification.	
	2nd	Detailed estimate of drainage siphon to given specification.	
	3rd	Detailed estimate of drainage siphon to given specification.	
	4th	Detailed estimate of drainage siphon to given specification.	
7th	1st	Detailed estimate of drainage siphon to given specification.	
	2nd	Detailed estimate of drainage siphon to given specification.	
	3rd	Detailed estimate of roads- Detail estimate of a water bound macadam road	

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	4th	Detail estimate of a water bound macadam road
8th	1st	Detail estimate of a water bound macadam road
	2nd	Detail estimate of a water bound macadam road
	3rd	Detailed estimate of a flexible pavement in cutting / filling
	4th	Detailed estimate of a flexible pavement in cutting / filling
9th	1st	Detailed estimate of a flexible pavement in cutting / filling
	2nd	Detailed estimate of a flexible pavement in cutting / filling
	3rd	Detailed estimate of septic tank and soak pit for 50 users
	4th	Detailed estimate of septic tank and soak pit for 50 users
10th	1st	Detailed estimate of septic tank and soak pit for 50 users
	2nd	Detailed estimate of septic tank and soak pit for 50 users
	3rd	Miscellaneous estimates- Tube well
	4th	Tube well
11th	1st	Tube well
	2nd	Piles and Pile cap
	3rd	Piles and Pile cap
	4th	Piles and Pile cap
12th	1st	Isolated Footings
	2nd	Isolated Footings
	3rd	Isolated Footings
	4th	combined footings
13th	1st	combined footings
	2nd	combined footings
	3rd	PWD Accounts works- Works, Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair
	4th	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement.
14th	1st	Accounts of works -Explanation of various terms Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money
	2nd	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
	3rd	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity
	4th	Muster roll : Its preparation & use for making payment of pay & wages
15th	1st	Acquittance Roll : Its preparation & use for making payment of pay & wages
	2nd	Labour & labour report, method of labour payment, use of forms and necessity of Submission
	3rd	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
	4th	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.

Signature of Faculty
(Ami.T.K.V. SATHU)