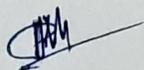
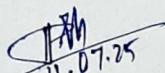


Discipline:CIVIL	Semester: 5th	Name of Teaching Faculty:-Shri Prakash Chandra Murmu
Subject:- ESTIMATION & COST EVALUTION - 2	No of Days/Week Class allotted:- 04	Semester from date: 14.07.2025 to 15.11.2025 No of Weeks: 15
Week	Class Day	Theory Topics
1st	1st	1.DETAILED ESTIMATE FOR CULVERT AND BRIDGES: Concept
	2nd	1.1-Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.
	3rd	RCC slab -Basic ,plan ,layout
	4th	RCC Slab BAR Bending schedule
2nd	1st	BBS - Numerical Problems
	2nd	BBS - Numerical Problems
	3rd	RCC Culvert-Detailed estimate with example
	4th	RCC Culvert-Detailed estimate with example(Contd.)
3rd	1st	RCC Culvert-Detailed estimate with example(Contd.)
	2nd	1.2:-RCC Hume pipe culvert with splayed angled wing wall
	3rd	RCC Hume pipe culvert with splayed angled wing wall- Numerical Problem
	4th	RCC Hume pipe culvert with splayed angled wing wall- Numerical Problem
4th	1st	2.Estimate of irrigation structures
	2nd	2.1-Detailed estimate of simple type of vertical fall to given specification.
	3rd	Detailed estimate of simple type of vertical fall to given specification-Numerical Problem
	4th	Detailed estimate of simple type of vertical fall to given specification-Numerical Problem
5th	1st	Detailed estimate of simple type of vertical fall to given specification-Numerical Problem
	2nd	Detailed estimate of simple type of vertical fall to given specification-Numerical Problem
	3rd	2.2-Detailed estimate of drainage siphon to given specification.
	4th	Detailed estimate of drainage siphon to given specification- Numerical Problem 1
6th	1st	Detailed estimate of drainage siphon to given specification- Numerical Problem 1
	2nd	Detailed estimate of drainage siphon to given specification- Numerical Problem 1



	3rd	Detailed estimate of drainage siphon to given specification- Numerical Problem 2
	4th	Detailed estimate of drainage siphon to given specification- Numerical Problem 2
7th	1st	Detailed estimate of drainage siphon to given specification- Numerical Problem 2
	2nd	Doubt clearing class
	3rd	3.Detailed estimate of roads
	4th	3.1-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- Numerical Problem
	3rd	3.2-Detailed estimate of a flexible pavement in cutting / filling
	4th	Different Methods on Earthwork
9th	1st	Detailed estimate of a flexible pavement in cutting / filling- Numerical Problem
	2nd	Detailed estimate of a flexible pavement in cutting / filling- Numerical Problem
	3rd	3.3-Detailed estimate of septic tank and soak pit for 50 users
	4th	Detailed estimate of septic tank and soak pit for 50 users- Numerical Problem
10th	1st	Detailed estimate of septic tank and soak pit for 50 users- Numerical Problem
	2nd	Detailed estimate of septic tank and soak pit for 50 users- Numerical Problem
	3rd	4.Miscellaneous estimates
	4th	Detailed estimate- Tube well
11th	1st	Detailed estimate -Tube well
	2nd	Detailed estimate- Piles and Pile cap
	3rd	Detailed estimate- Piles and Pile cap
	4th	Detailed estimate- Piles and Pile cap
12th	1st	Detailed estimate- Piles and Pile cap
	2nd	Detailed estimate- Isolated Footings
	3rd	Detailed estimate- Isolated Footings
	4th	Detailed estimate- Isolated Footings
13th	1st	Detailed estimate- combined footings.
	2nd	Detailed estimate- combined footings.
	3rd	5.PWD Accounts works
	4th	5.1 Works

14th	1st	5.1.1 Classification of work-original, major, petty, repair work, annual repair,
	2nd	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.
	3rd	5.2 Accounts of works –Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit,
	4TH	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
15th	1st	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
	2nd	5.2.3 Muster roll : Its preparation & use for making payment of pay & wages 5.2.3 Muster roll : Its preparation & use for making payment of pay & wages
	3rd	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
	4TH	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.


11.07.25