

ESTIMATING AND COSTING -II

Discipline : Civil Engg.	Semester: 5 th	Name of the Teaching Faculty : Sri Sanjeeb Meher
Subject: E&CE-II	No. of Days / Week class allotted: 4	No. of Weeks : 15
Week	Class day	Theory/Practical Topics:
1 st	1 st	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 1
	2 nd	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 1
	3 rd	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 1
	4 th	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 2
2 nd	1 st	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 2
	2 nd	Bar Bending Schedule of Slab – Problem 1
	3 rd	Bar Bending Schedule of Slab – Problem 2
	4 th	Bar Bending Schedule of Slab – Problem 3
3 rd	1 st	RCC Hume pipe culvert with splayed angled wing wall- Problem 1
	2 nd	RCC Hume pipe culvert with splayed angled wing wall- Problem 1
	3 rd	RCC Hume pipe culvert with splayed angled wing wall- Problem 2
	4 th	RCC Hume pipe culvert with splayed angled wing wall- Problem 2
4 th	1 st	Durga puja holiday
	2 nd	
	3 rd	
	4 th	
5 th	1 st	Detailed estimate of simple type of vertical fall to given specification – Problem 1
	2 nd	Detailed estimate of simple type of vertical fall to given specification – Problem 1
	3 rd	Detailed estimate of simple type of vertical fall to given specification – Problem 1
	4 th	Detailed estimate of simple type of vertical fall to given specification – Problem 1
6 th	1 st	Detailed estimate of simple type of vertical fall to given specification – Problem 2
	2 nd	Detailed estimate of simple type of vertical fall to given specification – Problem 2
	3 rd	Detailed estimate of simple type of vertical fall to given specification – Problem 2
	4 th	Detailed estimate of drainage siphon to given specification – Problem 1
	1 st	Detailed estimate of drainage siphon to given specification – Problem 1
	2 nd	Detailed estimate of drainage siphon to given specification – Problem 1

7 th	3 rd	Detailed estimate of drainage siphon to given specification – Problem 1
	4 th	Detailed estimate of drainage siphon to given specification – Problem 2
8 th	1 st	Detailed estimate of drainage siphon to given specification – Problem 2
	2 nd	Detailed estimate of drainage siphon to given specification – Problem 2
	3 rd	Detail estimate of a water bound macadam road –Problem 1
	4 th	Detail estimate of a water bound macadam road –Problem 2
9 th	1 st	Detail estimate of a water bound macadam road –Problem 3
	2 nd	Detailed estimate of a flexible pavement in cutting / filling – Problem1
	3 rd	Detailed estimate of a flexible pavement in cutting / filling – Problem2
	4 th	Detailed estimate of a flexible pavement in cutting / filling – Problem3
10 th	1 st	Detailed estimate of septic tank and soak pit for 50 users – Problem 1
	2 nd	Detailed estimate of septic tank and soak pit for 50 users – Problem 2
	3 rd	Detailed estimate of septic tank and soak pit for 50 users – Problem 3
	4 th	Detailed estimate of tube well- Problem 1
11 th	1 st	Detailed estimate of tube well- Problem 2
	2 nd	Detailed estimate of Piles and Pile cap – Problem 1
	3 rd	Detailed estimate of Piles and Pile cap – Problem 1
	4 th	Detailed estimate of Piles and Pile cap – Problem 2
12 th	1 st	Detailed estimate of Piles and Pile cap – Problem 2
	2 nd	Detailed estimate of isolated footing- Problem 1
	3 rd	Detailed estimate of isolated footing- Problem 2
	4 th	Detailed estimate of combined footing- Problem 1
13 th	1 st	Detailed estimate of combined footing- Problem 2
	2 nd	Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
	3 rd	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement.
	4 th	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
14 th	1 st	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 .
	2 nd	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials

	3 rd	labour employed, standard measurement books and common irregularity
	4 th	Muster roll : Its preparation & use for making payment of pay & wages
15 th	1 st	Acquittance Roll : Its preparation & use for making payment of pay & wages
	2 nd	Labour & labour report, method of labour payment, use of forms and necessity of Submission
	3 rd	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
	4 th	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc