

Discipline : Civil Engg.	Semester: 5 th	Name of the Teaching Faculty : Sri Padma Lochan Behera, Sr. Lect. (Civil)
Subject: E&CE-II	No. of Days / Week class allotted: 4	Semester Duration: 01/07/2024 to 08/11/2024 No. of Weeks : 19
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	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 2
	3 rd	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 3
	4 th	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 3
3 rd	1 st	Bar Bending Schedule of Slab – Problem 1
	2 nd	Bar Bending Schedule of Slab – Problem 2
	3 rd	Bar Bending Schedule of Slab – Problem 3
	4 th	Bar Bending Schedule of Slab – Problem 4
4 th	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
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 simple type of vertical fall to given specification – Problem 2

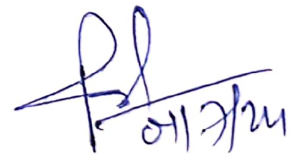
7 th	1 st	Detailed estimate of drainage siphon to given specification –Problem 1
	2 nd	Detailed estimate of drainage siphon to given specification –Problem 1
	3 rd	Detailed estimate of drainage siphon to given specification –Problem 1
	4 th	Detailed estimate of drainage siphon to given specification –Problem 1
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	Detailed estimate of drainage siphon to given specification –Problem 2
	4 th	Detail estimate of a water bound macadam road –Problem 1
9 th	1 st	Detail estimate of a water bound macadam road –Problem 2
	2 nd	Detail estimate of a water bound macadam road –Problem 3
	3 rd	Detailed estimate of a flexible pavement in cutting / filling –Problem1
	4 th	Detailed estimate of a flexible pavement in cutting / filling –Problem1
10 th	1 st	Detailed estimate of a flexible pavement in cutting / filling –Problem2
	2 nd	Detailed estimate of a flexible pavement in cutting / filling –Problem2
	3 rd	Detailed estimate of a flexible pavement in cutting / filling –Problem3
	4 th	Detailed estimate of a flexible pavement in cutting / filling –Problem3
11 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 1
	3 rd	Detailed estimate of septic tank and soak pit for 50 users – Problem 2
	4 th	Detailed estimate of septic tank and soak pit for 50 users – Problem 2
12 th	1 st	Detailed estimate of septic tank and soak pit for 50 users – Problem 3
	2 nd	Detailed estimate of septic tank and soak pit for 50 users – Problem 3
	3 rd	Detailed estimate of tube well- Problem 1
	4 th	Detailed estimate of tube well- Problem 2
13 th	1 st	Durga Puja Holidays
	2 nd	
	3 rd	
	4 th	
14 th	1 st	Detailed estimate of Piles and Pile cap – Problem 1
	2 nd	Detailed estimate of Piles and Pile cap – Problem 1
	3 rd	Detailed estimate of Piles and Pile cap – Problem 2
	4 th	Detailed estimate of Piles and Pile cap – Problem 2
15 th	1 st	Detailed estimate of isolated footing- Problem 1
	2 nd	Detailed estimate of isolated footing- Problem 2
	3 rd	Detailed estimate of combined footing- Problem 1
	4 th	Detailed estimate of combined footing- Problem 2
16 th	1 st	Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
	2 nd	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement.
	3 rd	Explanation of various terms Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations,
	4 th	earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill & final bill

17 th	1 st	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
18 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
19 th	1 st	Doubt Clearing Class
	2 nd	Doubt Clearing Class
	3 rd	Previous Year Question Discussion
	4 th	Previous Year Question Discussion

Prepared By :

Padmalekha Behera
Scribe (Civil)

Approved By:



HOD(Civil)