

**ACADEMIC SESSION: WINTER-2023**

Discipline :	Semester: 5 <sup>th</sup>	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: 01/08/2023 to 30/11/2023 No. of Weeks : 17
Week	Class day	Theory/Practical Topics:
1 <sup>st</sup>	1 <sup>st</sup>	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 1
	2 <sup>nd</sup>	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 1
	3 <sup>rd</sup>	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 1
	4 <sup>th</sup>	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 2
2 <sup>nd</sup>	1 <sup>st</sup>	Detailed estimate of a RCC slab culvert with right angled wing walls – Problem 2
	2 <sup>nd</sup>	Bar Bending Schedule of Slab – Problem 1
	3 <sup>rd</sup>	Bar Bending Schedule of Slab – Problem 2
	4 <sup>th</sup>	Bar Bending Schedule of Slab – Problem 3
3 <sup>rd</sup>	1 <sup>st</sup>	RCC Hume pipe culvert with splayed angled wing wall- Problem 1
	2 <sup>nd</sup>	RCC Hume pipe culvert with splayed angled wing wall- Problem 1
	3 <sup>rd</sup>	RCC Hume pipe culvert with splayed angled wing wall- Problem 2
	4 <sup>th</sup>	RCC Hume pipe culvert with splayed angled wing wall- Problem 2
4 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of simple type of vertical fall to given specification – Problem 1
	2 <sup>nd</sup>	Detailed estimate of simple type of vertical fall to given specification – Problem 1
	3 <sup>rd</sup>	Detailed estimate of simple type of vertical fall to given specification – Problem 1
	4 <sup>th</sup>	Detailed estimate of simple type of vertical fall to given specification – Problem 1
5 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of simple type of vertical fall to given specification – Problem 2
	2 <sup>nd</sup>	Detailed estimate of simple type of vertical fall to given specification – Problem 2
	3 <sup>rd</sup>	Detailed estimate of simple type of vertical fall to given specification – Problem 2
	4 <sup>th</sup>	Detailed estimate of drainage siphon to given specification – Problem 1
6 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of drainage siphon to given specification – Problem 1
	2 <sup>nd</sup>	Detailed estimate of drainage siphon to given specification – Problem 1
	3 <sup>rd</sup>	Detailed estimate of drainage siphon to given specification – Problem 1
	4 <sup>th</sup>	Detailed estimate of drainage siphon to given specification – Problem 2
7 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of drainage siphon to given specification – Problem 2
	2 <sup>nd</sup>	Detailed estimate of drainage siphon to given specification – Problem 2
	3 <sup>rd</sup>	Detail estimate of a water bound macadam road – Problem 1
	4 <sup>th</sup>	Detail estimate of a water bound macadam road – Problem 2

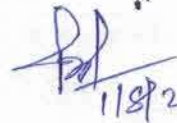
8 <sup>th</sup>	1 <sup>st</sup>	Detail estimate of a water bound macadam road –Problem 3
	2 <sup>nd</sup>	Detailed estimate of a flexible pavement in cutting / filling –Problem1
	3 <sup>rd</sup>	Detailed estimate of a flexible pavement in cutting / filling –Problem1
	4 <sup>th</sup>	Detailed estimate of a flexible pavement in cutting / filling –Problem2
9 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of a flexible pavement in cutting / filling –Problem3
	2 <sup>nd</sup>	Detailed estimate of septic tank and soak pit for 50 users – Problem 1
	3 <sup>rd</sup>	Detailed estimate of septic tank and soak pit for 50 users – Problem 1
	4 <sup>th</sup>	Detailed estimate of septic tank and soak pit for 50 users – Problem 2
10 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of septic tank and soak pit for 50 users – Problem 2
	2 <sup>nd</sup>	Detailed estimate of septic tank and soak pit for 50 users – Problem 3
	3 <sup>rd</sup>	Detailed estimate of septic tank and soak pit for 50 users – Problem 3
	4 <sup>th</sup>	Detailed estimate of tube well- Problem 1
11 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of tube well- Problem 2
	2 <sup>nd</sup>	Detailed estimate of Piles and Pile cap – Problem 1
	3 <sup>rd</sup>	Detailed estimate of Piles and Pile cap – Problem 1
	4 <sup>th</sup>	Detailed estimate of Piles and Pile cap – Problem 2
12 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of Piles and Pile cap – Problem 2
	2 <sup>nd</sup>	Detailed estimate of isolated footing- Problem 1
	3 <sup>rd</sup>	Detailed estimate of isolated footing- Problem 2
	4 <sup>th</sup>	Detailed estimate of combined footing- Problem 1
13 <sup>th</sup>	1 <sup>st</sup>	Durga Puja Holidays
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
14 <sup>th</sup>	1 <sup>st</sup>	Detailed estimate of combined footing- Problem 2
	2 <sup>nd</sup>	Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
	3 <sup>rd</sup>	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement.
	4 <sup>th</sup>	Explanation of various terms Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations,
15 <sup>th</sup>	1 <sup>st</sup>	earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill & final bill
	2 <sup>nd</sup>	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 .
	3 <sup>rd</sup>	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials
	4 <sup>th</sup>	labour employed, standard measurement books and common irregularity
16 <sup>th</sup>	1 <sup>st</sup>	Muster roll : Its preparation & use for making payment of pay & wages

	2 <sup>nd</sup>	Acquittance Roll : Its preparation & use for making payment of pay & wages
	3 <sup>rd</sup>	Labour & labour report, method of labour payment, use of forms and necessity of Submission
	4 <sup>th</sup>	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
17 <sup>th</sup>	1 <sup>st</sup>	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc
	2 <sup>nd</sup>	Revision
	3 <sup>rd</sup>	Previous Year Question Discussion
	4 <sup>th</sup>	Previous Year Question Discussion

Prepared By :

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Approved By:

  
11/8/23

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