

## LESSON PLAN OF 5<sup>TH</sup> SEMESTER(2024-25) CIVIL ENGINEERING

<b>Discipline: CIVIL ENGG.</b>	<b>Semester:-5<sup>TH</sup></b>	<b>Name of the Teaching Faculty:- PRIYABRATA TRIPATHY(LECTURER)</b>
<b>Subject:- ESTIMATING AND COST EVALUATION- II (Th.5)</b>	<b>No of Days/per Week Class Allotted :-03</b>	<b>Semester From:-<u>01/07/2024</u> To:- <u>08/11/2024</u>  No of Weeks:- 15</b>
<b>Week</b>	<b>Class Day</b>	<b>Theory/ Practical Topics</b>
1 <sup>st</sup>	1 <sup>st</sup>	Detailed estimate of culverts and bridges 1.1 RCC deck slab culvert with right angled wing wall
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	problem
2 <sup>nd</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	1.2 Detailed estimate of a simple Hume pipe culvert with splayed angled wingwall
	3 <sup>rd</sup>	problem
3 <sup>rd</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	Problem
4 <sup>th</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	problem
5 <sup>th</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	problem
6 <sup>th</sup>	1 <sup>st</sup>	2. Estimate of irrigation structures 2.1 Detailed estimate of simple type of vertical fall to given specification
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	problem
7 <sup>th</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	2.2 Detailed estimate of siphon well drop to given specification.
8 <sup>th</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	problem
9 <sup>th</sup>	1 <sup>st</sup>	3. Detailed estimate of roads 3.1 Detail estimate of a water bound macadam road
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	problem

10 <sup>th</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	3.2 Detailed estimate of a National Highway in cutting / filling
11 <sup>th</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	3.3 Detailed Estimate of a septic tank and soak pit for 50 users
	3 <sup>rd</sup>	problem
12 <sup>th</sup>	1 <sup>st</sup>	<b>Miscellaneous estimate</b> 4.1 Tube well ,Piles and Pile cap ,Isolated and combined footing Works 5.1 PWD accounts works 5.1.1 Classification of work-original, major, petty, repair work, annual repair, specialrepair, quadrantal repair
	2 <sup>nd</sup>	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 5.2 Accounts of works – 5.2.1 Explanation of various terms Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit,
	3 <sup>rd</sup>	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 .
13 <sup>th</sup>	1 <sup>st</sup>	4.2.2 Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity
	2 <sup>nd</sup>	4.2.3 Master roll : Its preparation & use for making payment of pay & wages
		4.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages
3 <sup>rd</sup>	4.2.5 Labour & labour report, method of labour payment, use of forms and necessity of submission	
14 <sup>th</sup>	1 <sup>st</sup>	4.2.6 Classification of stores, receipt / issue statement on standard form, method of preparation of stock account
	2 <sup>nd</sup>	preparation and submission of returns, verification of stocks, shortage and excess
	3 <sup>rd</sup>	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
15 <sup>th</sup>	1 <sup>st</sup>	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	2 <sup>nd</sup>	Previous year question answer discussion
	3 <sup>rd</sup>	REVISION

*B. Pathy*

Lecturer

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Principal 29/6/24  
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