



# LESSON PLAN OF 5<sup>TH</sup> SEMESTER(2023-24) CIVIL ENGINEERING

Discipline: CIVIL ENGG.	Semester:-5 <sup>TH</sup>	Name of the Teaching Faculty:-PRIYABRATA TRIPATHY (LECTURER)
Subject:- ESTIMATION AND COST EVALUATION- II(TH-5)	No of Days/per Week Class Allotted :-03	Semester From:-01/08/23 To:- 30/11/23  No of Weeks:- 18
Week	Class Day	Theory/ Practical Topics
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 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

  
27/7/23

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10 <sup>th</sup>	1 <sup>st</sup>	problem
	2 <sup>nd</sup>	problem
	3 <sup>rd</sup>	3.2 Detailed estimate of a Flexible pavement in cutting and 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>	Tube well, piles and pile cap, isolated and combined footing
12 <sup>th</sup>	1 <sup>st</sup>	PWD accounts works
	2 <sup>nd</sup>	1.1 Classification of work-original, major, petty,
	3 <sup>rd</sup>	1.2 repair work, annual repair, special repair, quadrantal repair
13 <sup>th</sup>	1 <sup>st</sup>	Method of execution of works through the contractors, departmentally, contract and agreement
	2 <sup>nd</sup>	, work order, item rate contract, lump sum contract, labour contract and daily labour,
	3 <sup>rd</sup>	piece work agreement, scheduled contract, cost plus percentage contract
14 <sup>th</sup>	1 <sup>st</sup>	Accounts of works 4.2.1 Explanation of various terms Administrative approval,
	2 <sup>nd</sup>	technical sanction, contingency budget, tender, preparation of notice inviting tender
	3 <sup>rd</sup>	, receiving of quotations, earnest money, security deposit, advance payment
15 <sup>th</sup>	1 <sup>st</sup>	, on account payment, intermediate payment
	2 <sup>nd</sup>	final payment, running bill, final, regular and temporary establishment, cash,
	3 <sup>rd</sup>	major & subhead of account, temporary advance, issue rate, storage, supervision charges
16 <sup>th</sup>	1 <sup>st</sup>	, suspense account, debit, credit, book transfer, voucher and related accounts
	2 <sup>nd</sup>	4.2.2 Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials
	3 <sup>rd</sup>	, labour employed, standard measurement books and common irregularity
17 <sup>th</sup>	1 <sup>st</sup>	4.2.3 Muster roll : Its preparation & use for making payment of pay & wages
	2 <sup>nd</sup>	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
18 <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>	Building BYLAWS and REGULATORY Bodies development authorities, types and their levels, RERA, etc

  
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