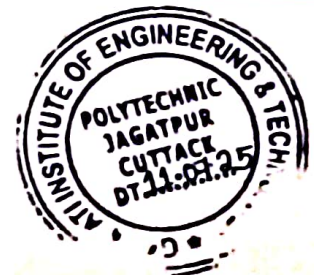


LESSON PLAN OF 5TH SEMESTER(2025-26) CIVIL ENGINEERING

Discipline : CIVIL Engg.	Semester:-5 TH	NameoftheTeachingFaculty:- PRIYABRATA TRIPATHY(LECTURER)
Subject:- ESTIMATING AND COST EVALUATION- II (Th.5)	No of Days/per Week ClassAllotted: 03	SemesterFrom:- <u>14/07/2025</u> To:- <u>15/11/2025</u> No of Weeks:-18
Week	ClassDay	Theory/PracticalTopics
1 st	1 st	Detailedestimateofculverts andbridges 1.1RCCdeck slabculvertwithrightangledwingwall
	2 nd	problem
	3 rd	problem
2 nd	1 st	problem
	2 nd	1.2Detailedestimateofa simpleHume pipeculvertwithsplayedangledwingwall
	3 rd	problem
3 rd	1 st	problem
	2 nd	problem
	3 rd	Problem
4 th	1 st	problem
	2 nd	problem
	3 rd	problem
5 th	1 st	problem
	2 nd	problem
	3 rd	problem
6 th	1 st	2. Estimateofirrigationstructures 2.1Detailedestimateofsimpletypeofverticalfalltogivenspecificati on
	2 nd	problem
	3 rd	problem
7 th	1 st	problem
	2 nd	problem
	3 rd	2.2 Detailedestimateofsiphonwelldroptogivenspecification.
8 th	1 st	problem
	2 nd	problem
	3 rd	problem
9 th	1 st	3. Detailedestimateofroads 3.1 Detailestimateofawaterboundmacadamroad
	2 nd	problem
	3 rd	Problem
10 th	1 st	problem
	2 nd	problem
	3 rd	3.2DetailedestimateofaNationalHighway incutting/filling
11 th	1 st	problem
	2 nd	3.3 Detailed Estimate of a septic tank and soak pit for 50 users
	3 rd	Problem
12 th	1 st	Miscellaneous estimate 4.1 Tube well



12 th	2 nd	Piles and Pile cap Isolated and combined footing
	3 rd	Works 5.1 PWD accounts works
13 th	1 st	5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair
	2 nd	
	3 rd	5.1.2 Concept of Method of execution of works through the contractors and department
14 th	1 st	contract and agreement, work order
	2 nd	types of contract
	3 rd	piece work agreement
15 th	1 st	5.2 Accounts of works
	2 nd	5.2.1 Explanation of various terms
	3 rd	Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit,
16 th	1 st	4.2.3 Master roll : Its preparation & use for making payment of pay & wages
	2 nd	4.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages
	3 rd	4.2.5 Labour&labour report, method of labour payment,
17 th	1 st	use of forms and necessity of submission
	2 nd	4.2.6 Classification of stores, receipt / issue statement on standard form
	3 rd	method of preparation of stock account
18 th	1 st	preparation and submission of returns, verification of stocks, shortage and excess
	2 nd	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	3 rd	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.

P. P. S.
11.07.25
LECTURER

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PRINCIPAL 11/7/25

Principal
JMET (Polytechnic)
Jagatpur, Cuttack

P. P. S.
11.07.25
SR. LECTURER

Sr. Lecturer
Civil Engg. Dept.
G.I.E.T. (Polytechnic)