

**BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING**



LESSON PLAN

SUBJECT: ESTIMATION & COST EVALUATION- II (TH 5)

ACCADEMIC SESSION: 2024-25

FACULTY: SRI ADITYA RANJAN PATRA

SEMESTER: 5TH

SEC:C

Sd/-

H O D (Civil Engg.)

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Discipline: Civil Engineering	Semester: 5th C		Name of the teaching faculty: Sri Aditya Ranjan Patra
Subject: Estimation & Cost Evaluation- II	No. of Days/ per week class allotted: 04 periods per week. (Mon-1 period, Tue-2 periods, Thu-1 period)		Semester From Date: 01-07-2024 To Date: 08-11-2024 No. of weeks: 18 weeks
Week	Class Day	No of period available	Theory Topics
1ST	01/07/2024	01	1.Detailed estimate of culverts and bridges
	02/07/2024	02	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	04/07/2024	01	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
2ND	08/07/2024	01	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	09/07/2024	02	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	11/07/2024	01	1.2 RCC Hume pipe culvert with splayed angled wing wall
3RD	15/07/2024	01	1.2 RCC Hume pipe culvert with splayed angled wing wall
	16/07/2024	02	1.2 RCC Hume pipe culvert with splayed angled wing wall
	18/07/2024	01	1.2 RCC Hume pipe culvert with splayed angled wing wall
4TH	22/07/2024	01	2. Estimate of irrigation structures
	23/07/2024	02	2.1Detailed estimate of simple type of vertical fall to given specification
	25/07/2024	01	2.1Detailed estimate of simple type of vertical fall to given specification
5TH	29/07/2024	01	2.1Detailed estimate of simple type of vertical fall to given specification
	30/07/2024	02	2.1Detailed estimate of simple type of vertical fall to given specification
	01/08/2024	01	2.2Detailed estimate of drainage siphon to given specification.

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6TH	05/08/2024	01	2.2 Detailed estimate of drainage siphon to given specification.
	06/08/2024	02	2.2 Detailed estimate of drainage siphon to given specification.
	08/08/2024	01	3. Detailed estimate of roads
7TH	12/08/2024	01	Monthly Class Test 1
	13/08/2024	02	3.1 Detail estimate of a water bound macadam road
8TH	20/08/2024	02	3.2 Detailed estimate of a flexible pavement in cutting / filling
	22/08/2024	01	3.2 Detailed estimate of a flexible pavement in cutting / filling
9TH	27/08/2024	02	3.2 Detailed estimate of septic tank and soak pit for 50 users
	29/08/2024	01	3.2 Detailed estimate of septic tank and soak pit for 50 users
10TH	02/09/2024	01	3.2 Detailed estimate of septic tank and soak pit for 50 users
	03/09/2024	02	4. Miscellaneous estimates 4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	05/09/2024	01	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
		01	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
11TH	09/09/2024	01	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	10/09/2024	02	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	12/09/2024	01	Internal Assessment
12TH	17/09/2024	02	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
	19/09/2024	01	5.2 Accounts of works – 5.2.1 Explanation of various terms Administrative approval, technical sanction, final bill, regular and temporary establishment, tender, preparation of notice inviting tender, quotations,
13TH	23/09/2024	01	earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, cash, major & subhead of account, temporary advance (imprest money),
	24/09/2024	02	5.2.3 Muster roll : Its preparation & use for making payment of pay & wages
	26/09/2024	01	5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages

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14TH	30/09/2024	01	5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission
	01/10/2024	02	5.2.6 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.
	03/10/2024	01	5.2.6 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.
15TH	14/10/2024	01	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	15/10/2024	02	Monthly Class Test 2
16TH	21/10/2024	01	Revisision
	22/10/2024	02	Revisision
	24/10/2024	01	Revisision
17TH	28/10/2024	01	Revisision
	29/10/2024	02	Revisision
18TH	04/11/2024	01	Previous year question answer discussion
	05/11/2024	02	Previous year question answer discussion
	07/11/2024	01	Previous year question answer discussion