

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



LESSON PLAN

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

ACCADEMIC SESSION: 2024-25

FACULTY: MRS MALABIKA PATRA

SEMESTER: 5TH

SEC:A

Sd/-

H O D (Civil Engg.)

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Discipline: Civil Engineering	Semester: 5th A		Name of the teaching faculty: Mrs Malabika Patra
Subject: Estimation & Cost Evaluation- II	No. of Days/ per week class allotted: 04 periods per week. (Tue-1 period, Thu-2 periods, Sat – 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	02/07/2024	1	1.Detailed estimate of culverts and bridges
	04/07/2024	2	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	06/07/2024	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
2ND	09/07/2024	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	11/07/2024	2	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	13/07/2024	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
3RD	16/07/2024	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
	18/07/2024	2	1.2 RCC Hume pipe culvert with splayed angled wing wall
	20/07/2024	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
4TH	23/07/2024	1	2. Estimate of irrigation structures
	25/07/2024	2	2.1Detailed estimate of simple type of vertical fall to given specification
	27/07/2024	1	2.1Detailed estimate of simple type of vertical fall to given specification
5TH	30/07/2024	1	2.1Detailed estimate of simple type of vertical fall to given specification
	01/08/2024	2	2.1Detailed estimate of simple type of vertical fall to given specification
	03/08/2024	1	2.2Detailed estimate of drainage siphon to given specification.

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6TH	06/08/2024	1	2.2 Detailed estimate of drainage siphon to given specification.
	08/08/2024	2	2.2 Detailed estimate of drainage siphon to given specification.
	10/08/2024	1	3. Detailed estimate of roads
7TH	13/08/2024	1	Monthly Class Test 1
	17/08/2024	1	3.1 Detail estimate of a water bound macadam road
8TH	20/08/2024	1	3.2 Detailed estimate of a flexible pavement in cutting / filling
	22/08/2024	2	3.2 Detailed estimate of a flexible pavement in cutting / filling
	24/08/2024	1	3.2 Detailed estimate of a flexible pavement in cutting / filling
9TH	27/08/2024	1	3.2 Detailed estimate of septic tank and soak pit for 50 users
	29/08/2024	2	3.2 Detailed estimate of septic tank and soak pit for 50 users
	31/08/2024	1	3.2 Detailed estimate of septic tank and soak pit for 50 users
10TH	03/09/2024	1	3.2 Detailed estimate of septic tank and soak pit for 50 users
	05/09/2024	2	4. Miscellaneous estimates 4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
11TH	10/09/2024	1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	12/09/2024	2	Internal Assessment
	14/09/2024	1	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
12TH	17/09/2024	1	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	2	5.2 Accounts of works – 5.2.1 Explanation of various terms Administrative approval, technical sanction,
	21/09/2024	1	final bill, regular and temporary establishment, tender, preparation of notice inviting tender, quotations,
13TH	24/09/2024	1	earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, cash, major & subhead of account, temporary advance (imprest money),
	26/09/2024	2	5.2.3 Muster roll : Its preparation & use for making payment of pay &

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			wages
	28/09/2024	1	5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages
14TH	01/10/2024	1	5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission
	03/10/2024	2	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.
	05/10/2024	1	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	15/10/2024	1	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	19/10/2024	1	Monthly Class Test 2
16TH	22/10/2024	1	Revisision
	24/10/2024	2	Revisision
	26/10/2024	1	Revisision
17TH	29/10/2024	1	Revisision
	02/11/2024	1	Revisision
18TH	05/11/2024	1	Previous year question answer discussion
	07/11/2024	2	Previous year question answer discussion