

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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

ACCADEMIC SESSION: 2023-24

FACULTY: SRI PITABAS MISHRA

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 PITABAS MISHRA
Subject: Estimation & Cost Evaluation- II	No. of Days/ per week class allotted: 04 period per week. (Mon-1 period, Tue-1 period, Thu-1 period, Fri-1 period)		Semester From Date: 01-08-2023 To Date: 30-11-2023 No. of weeks: 17 weeks
Week	Class Day	No of period available	Theory Topics
1ST	01/08/23	1	1.Detailed estimate of culverts and bridges
	03/08/23	1	1.Detailed estimate of culverts and bridges
	04/08/23	1	1.Detailed estimate of culverts and bridges
2ND	07/08/23	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	08/08/23	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	10/08/23	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls bar bending schedule.
	11/08/23	1	1.1 Detailed estimate of a RCC slab culvert

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			with right angled wing walls bar bending schedule.
3RD	14/08/23	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
	17/08/23	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
4TH	21/08/23	1	2. Estimate of irrigation structures
	22/08/23	1	2.1 Detailed estimate of simple type of vertical fall to given specification
	24/08/23	1	2.1 Detailed estimate of simple type of vertical fall to given specification
	25/08/23	1	2.1 Detailed estimate of simple type of vertical fall to given specification
5TH	28/08/23	1	2.1 Detailed estimate of simple type of vertical fall to given specification
	29/08/23	1	2.1 Detailed estimate of simple type of vertical fall to given specification
	31/08/23	1	2.2 Detailed estimate of drainage siphon to given specification.
	01/09/23	1	2.2 Detailed estimate of drainage siphon to given specification.
6TH	04/09/23	1	2.2 Detailed estimate of drainage siphon

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			to given specification.
	05/09/23	1	2.2 Detailed estimate of drainage siphon to given specification.
	07/09/23	1	3. Detailed estimate of roads
	08/09/23	1	CLASS TEST 1
7TH	11/09/23	1	3.1 Detail estimate of a water bound macadam road
	12/09/23	1	3.1 Detail estimate of a water bound macadam road
	14/09/23	1	3.1 Detail estimate of a water bound macadam road
	15/09/23	1	3.1 Detail estimate of a water bound macadam road
8TH	18/09/23	1	3.2 Detailed estimate of a flexible pavement in cutting / filling
	21/09/23	1	3.2 Detailed estimate of a flexible pavement in cutting / filling
	22/09/23	1	3.2 Detailed estimate of a flexible pavement in cutting / filling

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9TH	25/09/23	1	3.2 Detailed estimate of septic tank and soak pit for 50 users
	26/09/23	1	Internal Assessment
	28/09/23	1	3.2 Detailed estimate of septic tank and soak pit for 50 users
10TH	03/10/23	1	3.2 Detailed estimate of septic tank and soak pit for 50 users
	05/10/23	1	4. Miscellaneous estimates 4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	06/10/23	1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
11TH	09/10/23	1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	10/10/23	1	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	12/10/23	1	CLASS TEST 2
	13/10/23	1	5. PWD Accounts works 5.1 Works 5.1.1 Classification of work-original, major, petty, repair work, annual

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			repair, special repair, quadrantal repair.
12TH	16/10/23	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
	17/10/23	1	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,
	19/10/23	1	earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, cash, major & subhead of account, temporary advance (imprest money),
	20/10/23	1	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	30/10/23	1	earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, cash,

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			major & subhead of account, temporary advance (imprest money),
	31/10/23	1	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,
	02/11/23	1	earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, cash, major & subhead of account, temporary advance (imprest money),
14TH	06/11/23	1	CLASS TEST 3
	07/11/23	1	5.2.3 Muster roll : Its preparation & use for making payment of pay & wages 5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages
	09/11/23	1	5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission
	10/11/23	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

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			stocks, shortage and excess.
15TH	13/11/23	1	5.2.3 Muster roll : Its preparation & use for making payment of pay & wages 5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages
	14/11/23	1	5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission
	16/11/23	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.
	17/11/23	1	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
16TH	20/11/23	1	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	21/11/23	1	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	23/11/23	1	REVISSION

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	24/11/23	1	REVISSION
17TH	28/11/23	1	PREVIOUS YEAR QUESTION ANSWER DISCUSSION
	30/11/23	1	PREVIOUS YEAR QUESTION ANSWER DISCUSSION