

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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

FACULTY: SRI ABHIJIT SAHOO

ACCADEMIC SESSION: 2023-24

SEMESTER: 5TH

SEC: A

Sd/-

H O D (Civil Engg.)

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Discipline: Civil Engineering		Semester: 5 th A	Name of the teaching faculty: SRI ABHJIT SAHOO
Subject: Estimation & Cost Evaluation - II		No. of Days/ per week class allotted: 04 periods per week. (Tue, Wed, Thu, Sat –1 period)	Semester From Date: 01-08-2023 To Date: 30-11-2023 No. of weeks: 18 weeks
Week	Class Day	No of period available	Theory Topics
1ST	01/08/2023	1	Detailed estimate of culverts and bridges 1.0 Detailed estimate of culverts and bridges 1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
	02/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
	03/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
	05/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
2ND	08/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
	09/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
	10/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls

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	12/08/2023	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
3RD	16/08/2023	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
	17/08/2023	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
	19/08/2023	1	1.2 RCC Hume pipe culvert with splayed angled wing wall
4TH	22/08/2023	1	2.0 Estimate of irrigation structures 2.1 Detailed estimate of simple type of vertical fall to given specification
	23/08/2023	1	2.0 Estimate of irrigation structures 2.1 Detailed estimate of simple type of vertical fall to given specification
	24/08/2023	1	2.0 Estimate of irrigation structures 2.1 Detailed estimate of simple type of vertical fall to given specification
	26/08/2023	1	2.0 Estimate of irrigation structures 2.1 Detailed estimate of simple type of vertical fall to given specification
5TH	29/08/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
	31/08/2023	1	2.2 Detailed estimate of drainage siphon to given

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			specification.
	02/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
6TH	05/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
	07/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
	09/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
7TH	12/09/2023	1	3.0 Detailed estimate of roads 3.1 Detail estimate of a water bound macadam road
	13/09/2023	1	3.1 Detail estimate of a water bound macadam road
	14/09/2023	1	3.1 Detail estimate of a water bound macadam road
	16/09/2023	1	3.2 Detailed estimate of a flexible pavement in cutting /filling
8TH	21/09/2023	1	3.2 Detailed estimate of a flexible pavement in cutting /filling
	23/09/2023	1	3.2 Detailed estimate of a flexible pavement in cutting /filling
9TH	26/09/2023	1	3.2 Detailed estimate of a flexible pavement in cutting

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			/filling
	27/09/2023	1	CLASS TEST-1
	28/09/2023	1	3.2 Detailed estimate of a flexible pavement in cutting /filling
	30/09/2023	1	3.3 Detailed estimate of septic tank and soak pit for 50 users
10TH	03/10/2023	1	3.3 Detailed estimate of septic tank and soak pit for 50 users
	04/10/2023	1	3.3 Detailed estimate of septic tank and soak pit for 50 users
	05/10/2023	1	4.0 Miscellaneous estimates 4.1 Tube well
	07/10/2023	1	4.0 Miscellaneous estimates 4.1 Tube well
11TH	10/10/2023	1	INTERNAL ASSESMENT
	11/10/2023	1	INTERNAL ASSESMENT
	12/10/2023	1	4.0 Miscellaneous estimates 4.1 Tube well
	14/10/2023	1	4.1 Piles and Pile cap, Isolated and combined footings
12TH	17/10/2023	1	4.1 Piles and Pile cap, Isolated and combined footings
	18/10/2023	1	4.1 Piles and Pile cap, Isolated and combined

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			footings
	19/10/2023	1	5.0 PWD Accounts works 5.1Works 5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantl repair.
13TH	25/10/2023	1	5.0 PWD Accounts works 5.1Works 5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantl repair.
	26/10/2023	1	5.0 PWD Accounts works 5.1Works 5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrennial repair.
	28/10/2023	1	5.0 PWD Accounts works 5.1Works 5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrennial repair.
14TH	31/10/2023	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.
	01/11/2023	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.
	02/11/2023	1	5.1.2 Concept of Method of execution of works through the contractors and department, contract and agreement,

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			work order, types of contract, piece work agreement.
	04/11/2023	1	Accounts of works– 5.2.1Explanation of various terms Administrative approval, technical sanction, tender
15TH	07/11/2023	1	5.2.1preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit
	08/11/2023	1	5.2.1Advance payment, intermediate payment, final payment, running bill, final bill, regular and temporary establishment, cash, major & subhead of account,
	09/11/2023	1	5.2.2 Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour. Employed, standard measurement books and common irregularities.
	11/11/2023	1	5.2.2 Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour. Employed, standard measurement books and common irregularities.
16TH	14/11/2023	1	5.2.3 Muster roll: Its preparation & use for making payment of pay & wages.
	15/11/2023	1	5.2.4 Acquaintance Roll : Its preparation & use for making payment of pay & wages.

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	16/11/2023	1	5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission
	18/11/2023	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
17TH	21/11/2023	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
	22/11/2023	1	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	23/11/2023	1	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
	25/11/2023	1	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
18TH	28/11/2023	1	CLASS TEST-2
	29/11/2023	1	REVISSION
	30/11/2023	1	REVISSION