

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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

FACULTY: Sri ADITYA RANJAN PATRA

ACCADEMIC SESSION: 2023-24

SEMESTER: 5TH

SEC: B

Sd/-

H O D (Civil Engg.)

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Discipline: Civil Engineering	Semester: 5th (B)		Name of the teaching faculty: Sri Aditya Ranjan Patra
Subject: Estimating & Cost Evaluation-II	No. of Days/ per week class allotted: 04 periods per week. (Tue, Wed, Thu and Sat – 1 period each)		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	Introduction
	02/08/2023	1	Introduction
	03/08/2023	1	1.0.Detailed estimate of culverts and bridges
	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
	12/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
3RD	16/08/2023	1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls
	17/08/2023	1	1.1. Bar bending schedule.
	19/08/2023	1	1.1. Bar bending schedule.
4TH	22/08/2023	1	1.1. Bar bending schedule.
	23/08/2023	1	1.2. RCC Hume pipe culvert with splayed angled wing wall
	24/08/2023	1	1.2. RCC Hume pipe culvert with splayed angled wing wall
	26/08/2023	1	1.2. RCC Hume pipe culvert with splayed angled wing wall
5TH	29/08/2023	1	2.0.Estimate of irrigation structures
	31/08/2023	1	2.1. Detailed estimate of simple type of vertical fall to given specification

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	02/09/2023	1	2.1. Detailed estimate of simple type of vertical fall to given specification
6TH	05/09/2023	1	2.1. Detailed estimate of simple type of vertical fall to given specification
	07/09/2023	1	2.1. Detailed estimate of simple type of vertical fall to given specification
	09/09/2023	1	Monthly class test-1
7TH	12/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
	13/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
	14/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
	16/09/2023	1	2.2 Detailed estimate of drainage siphon to given specification.
8TH	21/09/2023	1	3.0 Detailed estimate of roads
	23/09/2023	1	3.1. Detail estimate of a water bound macadam road.
9TH	26/09/2023	1	3.1. Detail estimate of a water bound macadam road.
	27/09/2023	1	3.1. Detail estimate of a water bound macadam road.
	28/09/2023	1	3.2. Detailed estimate of a flexible pavement in cutting /filling
	30/09/2023	1	3.2 Detailed estimate of a flexible pavement in cutting /filling
10TH	03/10/2023	1	3.2. Detailed estimate of a flexible pavement in cutting /filling
	04/10/2023	1	3.2. Detailed estimate of a flexible pavement in cutting /filling
	05/10/2023	1	3.3.Detailed estimate of septic tank and soak pit for 50 users
	07/10/2023	1	3.3.Detailed estimate of septic tank and soak pit for 50 users
11TH	10/10/2023	1	Internal Assessment
	11/10/2023	1	Internal Assessment
	12/10/2023	1	4.0.Miscellaneous estimates

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	14/10/2023	1	4.1 Tube well
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 footings
	19/10/2023	1	5.0. PWD Accounts works
13TH	25/10/2023	1	5.1. Works
	26/10/2023	1	5.1.1. Classification of work-original, major, petty, repair work, annual repair, special repair, quadrant repair.
	28/10/2023	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.
14TH	31/10/2023	1	5.2 Accounts of works.
	01/11/2023	1	5.2.1 Explanation of various terms.
	02/11/2023	1	5.2.1 Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit.
	04/11/2023	1	5.2.1 Advance payment, intermediate payment, final payment, running bill, final bill, regular and temporary establishment, cash.
15TH	07/11/2023	1	5.2.1 Major & subhead of account, temporary advance (impress money), supervision charges.
	08/11/2023	1	5.2.1 Suspense account, debit, credit, book transfer, voucher and related accounts.
	09/11/2023	1	5.2.2. Measurement book use & maintenance.
	11/11/2023	1	5.2.2 Procedure of marking entries of measurement of work and supply of materials.
16TH	14/11/2023	1	5.2.2 Labor employed standard measurement books and common

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			irregularity.
	15/11/2023	1	5.2.3. Muster roll: Its preparation & use for making payment of pay & wages.
	16/11/2023	1	5.2.4. Acquaintance Roll: Its preparation & use for making payment of pay & wages.
	18/11/2023	1	5.2.5. Labor & labor report, method of labor payment, use of forms and necessity of Submission.
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	Monthly Class Test-2
	25/11/2023	1	Previous year question discussion
18TH	28/11/2023	1	Previous year question discussion
	29/11/2023	1	Previous year question discussion
	30/11/2023	1	Discussion