

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



LESSON PLAN
Session-2022-2023

Discipline: Civil Engineering Engg. Semester: 5TH

Name of the Teaching Faculty: Satyannarayan Bhusagar

subject: Estimation & Cost Evaluation - II No. of Days/per week class allotted 04
 Semester From Date: 15/9/22 To Date: 22/12/22 No. of Weeks: 15

Week	Class Day	Theory / Practical Topics
1	1st	Introduction to slab culvert Functions & components of slab culvert Details about slab culvert.
	2nd	Detailed estimate of RCC slab culvert
	3rd	Detailed estimate of a RCC slab culvert with right angle walls.
	4th	Detailed estimate of a RCC slab culvert with right angle walls with bar bending schedule.
2	1st	Detailed estimate of a RCC slab culvert with right angle walls with bar bending schedule
	2nd	Revision of detailed estimate of RCC slab culvert
3	3rd	Introduction to RCC Home pipe culvert functions & components of home pipe culvert.
	4th	Detailed estimate of home pipe culvert.
	1st	Detailed estimate of home pipe culvert with splayed angled wing wall.
	2nd	Detailed estimate of home pipe culvert with splayed angled wing wall
	3rd	Detailed estimate of home pipe culvert with splayed angled wing wall
	4th	Revision of detailed estimate of home pipe culvert.

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Week	Class Day	Theory / Practical Topics
4	1st	Introduction to fall, type of fall function of fall.
	2nd	Different types of falls with details specification.
	3rd	Detailed estimate of simple types of fall
	4th	Detailed estimate of canal fall with given specification.
5	1st	Detailed estimate of ogee fall
	2nd	Revision about types of falls details & functions.
	3rd	Introduction to drainage, siphon, components & functions.
	4th	Types of siphon with different components & functions.
6	1st	Detailed estimate of drainage siphon.
	2nd	Detailed estimate of drainage siphon with given specification.
	3rd	Detailed estimate of drainage siphon with given specification
	4th	Detailed estimate of vertical fall with given specification.

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Week	Class Day	Theory / Practical Topics
7	1st	Detailed estimate of siphon for irrigation.
	2nd	Revision about types of siphon details & functions.
	3rd	Introduction to road, water bound macadam road, specification.
	4th	Advantages, disadvantages of WBM, detail estimate.
8	1st	Detailed estimate of WBM
	2nd	Detailed estimate of WBM & Revision about WBM
	3rd	Introduction to flexible pavement cutting, filling of road
	4th	Functions of flexible pavement components.
9	1st	Detailed estimate of a flexible pavement
	2nd	Detailed estimate of a flexible pavement, Revision.
	3rd	Introduction to septic tank, soak pit, components, functions.
	4th	Detailed estimate of septic tank & soak pit.

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Week	Class Day	Theory / Practical Topics
10	1st	Detailed estimate of Septic tank & soak pit
	2nd	Revision about Septic tank soak pit for no. of users
	3rd	Introduction to tube well, components & functions.
	4th	Detailed estimate of tube well.
11	1st	Detailed estimate of tube well with given specification
	2nd	Revision about well, tube well,
	3rd	Introduction to pile cap, components, function.
	4th	Details of pile cap, Detailed estimate of pile cap
12	1st	Detailed estimate of pile cap
	2nd	Revision about pile cap
	3rd	Introduction to isolated footing functions & components.
	4th	Details estimate of isolated footing.

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Week	Class Day	Theory / Practical Topics
13	1st	Introduction to combined footing functions, components
	2nd	Details estimate of combined footing.
	3rd	works, classification of work.
	4th	concept of method of execution, contract, work order, agreement
14	1st	Accounts of works, E-tendering, charges, security, deposit, advance payment.
	2nd	Measurement book, Labour employer, debit, credit, transfer.
	3rd	Mutter roll, preparation, use. Acquittance roll, preparation use
	4th	Labour, labour report, method, necessity & submission.
15	1st	classification of store, issue statement, preparation of stock account, returns.
	2nd	Building bye laws, regulatory bodies, Rera etc.
	3rd	Revision of Accounts work, contract, debit, credit.
	4th	Revision of Mutter roll, preparation building bye laws, labour report.

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