

Dicipline: <u>Civil</u>	Semester: <u>3rd</u>	Name of the Teaching Faculty <u>Dipajyoti Nayak</u>	
Subject: <u>Estimated cost evaluation - I</u>	No of Days/Week Class Allotted: <u>04</u>	Semester From date: <u>15/11/22</u> To date <u>13/10/23</u>	No. of Weeks:

WEEK	Class Day	Theory Topics
	1st	Introduction - Estimate & types of estimate
	2nd	Unit & modes of measurement as per IS:12000
	3rd	units & modes
	4th	Accuracy of measurement for different item of work
	5th	
	1st	Unit - 1 - Quantity estimate of building LW/short wall theory.
	2nd	Long wall short wall Method with example.
	3rd	Long wall short wall method Problem - 1
	4th	Problem - building estimate
	5th	Problem
	1st	Long wall short wall method (single bed room). (Problem - 2)
	2nd	Problem
	3rd	Long wall & short wall method Problem
	4th	Problem practice
	5th	

WEEK	Class Day	Theory Topics
	1st	Long wall & short wall (two bed room) Problem-3
	2nd	Problem (Long wall short wall method)
	3rd	(Problem-3) long wall short wall
	4th	(Problem-3) long wall & short wall
	5th	long wall & short wall (Problem-4)
	1st	cont long wall & short wall (Problem-4)
	2nd	long wall & short wall (Problem-4)
	3rd	long wall & short wall (Problem-4)
	4th	center to center line method (Problem-1)
	5th	c-c method (Problem-1)
	1st	c-c method (Problem-1)
	2nd	c-c method (Problem-1)
	3rd	c-c method (Problem)
	4th	c-c method (Problem)
	5th	c-c method (Problem)

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WEEK	Class Day	Theory Topics
	1st	Detailed estimate of single storied flat roof building with shallow base
	2nd	Detailed estimate of single storied flat roof building with shallow foundation
	3rd	Detailed estimate of single storied flat roof building with shallow foundation
	4th	Detailed estimate of single storied flat roof building with shallow foundation.
	5th	
	1st	Detailed estimate of single storied flat roof building with shallow foundation
	2nd	Introduction → why rate analysis? Analysis of rates for cement concrete.
	3rd	Analysis of rates for cement concrete
	4th	Brick masonry in cement mortar.
	5th	
	1st	Brick Masonry in cement mortar
	2nd	Stone Masonry in cement mortar
	3rd	Stone Masonry in cement mortar
	4th	Cement plaster
	5th	

WEEK Class Day Theory Topics

1st

Cement Plaster

2nd

White washing & Artificial flooring

3rd

White washing & Artificial flooring

4th

Tile flooring

5th

1st

Concrete flooring

2nd

Concrete flooring

3rd

RCC with centering and shuttering

4th

RCC with centering & shuttering

5th

1st

RCC with centering & shuttering

2nd

RCC with centering & shuttering

3rd

RCC (Reinforcing steel)

4th

Reinforcing steel

5th

WEEK	Class Day	Theory Topics
	1st	Rce (Reinforcing Steel)
	2nd	Calculation of lead, lift What is lead & lift?
	3rd	Difference between lead & lift convenience changes.
	4th	Abstract Cost Method & (Revision)
	5th	
	1st	Abstract Cost Method
	2nd	Abstract Cost Method & (Revision)
	3rd	Valuation - value & cost, scrap value Salvage value
	4th	Assessed Sinking Fund, depreciation & obsolescence
	5th	
	1st	Difference between depreciation and obsolescence (Revision)
	2nd	Method of Valuation (Revision)
	3rd	Administrative Setup of Engineering Organisations.
	4th	Administrative Setup of Engineering Organisation.
	5th	Administrative Setup of Engineering Organisations.

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WEEK	Class Day	Theory Topics
	1st	Practice 1/s Method
	2nd	Practice 1/s Method
	3rd	Practice 2/s Method
	4th	Practice c/c Method
	5th	
	1st	Practice - Rat analysis - Ree, concrete
	2nd	Practice - Plastering, flooring
	3rd	Practice - Brick masonry
	4th	Shuttering & centering.
	5th	
	1st	
	2nd	9/13/19/28
	3rd	
	4th	
	5th	

[Signature]
13/9/28