

LESSON PLAN

Discipline: Civil Engineering

Name of The Teaching Faculty: Lect-II - ANITA PRADHAN

Subject: ESTIMATION AND COST EVALUATION-1

Semester From Date: 02-07-2024 To Date 08-11-2024

SEMESTER-3RD

No. Of Weeks: 14

4P/WEEK

No. of Days/week class allotted: 04 period per week (Tue, Wed, Thus & Fri-1 Period each)

TOTAL PERIOD-60

SEMESTER:-3RD

MONTH

Week

DATE

DAYS/PERIOD

Syllabus to be covered

NO. OF PERIODS AVAILABLE

1.0 INTRODUCTION :

2

JULY

1ST

TUE

02-07-2024

1.1 Types of estimates – Plinth area, floor area / carpet area

1

WED

03-07-2024

1.2 Units and modes of measurements as per IS 1200
1.3 Accuracy of measurement for different item of work

1

2.0 QUANTITY ESTIMATE OF BUILDING
2.1 Short wall long wall method and centre line method

30

THUS

04-07-2024

Introduction long wall short wall method & centre line method

1

FRI

05-07-2024

long wall short wall method & centre line method

1

TUE

09-07-2024

Deduction of masonry

1

WED

10-07-2024

plastering,

1

THUS

11-07-2024

Problems

1

FRI

12-07-2024

white washing,

1

TUE

16-07-2024

Problems

1

THUS

18-07-2024

painting, multiplying factor

1

FRI

19-07-2024

Problems

1

TUE

23-07-2024

Problems

1

2ND

WED

24-07-2024

painting of doors and windows (paneled/glazed), grills etc. as per OPWD scheduled of rates.

1

THUS

25-07-2024

Problems

1

FRI

26-07-2024

Problems

1

3RD

TUE

30-07-2024

Problems

1

WED

31-07-2024

Problems

1

5TH

AUG	1ST	THUS	01-08-2024	Detailed estimate of single storied flat roof building with shallow foundation	1
		FRI	02-08-2024	Problems	1
	2ND	TUE	06-08-2024	Problems	1
		WED	07-08-2024	RCC roof slab with leak proof treatment over it including	1
		THUS	08-08-2024	Problems	1
		FRI	09-08-2024	Problems	1
		TUE	13-08-2024	Problems	1
	3RD	WED	14-08-2024	Problems	1
		FRI	16-08-2024	Problems	1
		TUE	20-08-2024	Problems	1
	4TH	WED	21-08-2024	Problems	1
		THUS	22-08-2024	Previous yr question discussion	1
		FRI	23-08-2024	Problems	1
		TUE	27-08-2024	Previous yr question discussion	1
	5TH	WED	28-08-2024	Previous yr question discussion	1
				3.0ANALYSIS OF RATES AS PER OPWD SPECIFICATIONS / STANDARDS 3.1 Analysis of rates for cement concrete	22
		THUS	29-08-2024	Problems	1
		FRI	30-08-2024	Problems	1
		TUE	03-09-2024	Problems	1
	SEP	1ST	WED	04-09-2024	brick masonry in Cement Mortar
THUS			05-09-2024	Problems	1
FRI			06-09-2024	laterite stone masonry in Cement Mortar ,	1
TUE			10-09-2024	Problems	1
WED			11-09-2024	Problems	1
2ND		THUS	12-09-2024	cement plaster	1
		FRI	13-09-2024	Problems	1
		TUE	17-09-2024	white washing ,Artificial Stone flooring,	1
		WED	18-09-2024	Problems	1
3RD		THUS	19-09-2024	concrete flooring,	1
		FRI	20-09-2024	Problems	1
		TUE	24-09-2024	R.C.C. with centering and shuttering, reinforcing steel,	1
		WED	25-09-2024	Problems	1
4TH		THUS	26-09-2024	Painting of doors and windows etc	1
		FRI	27-09-2024	Problems	1
					1
					1

OCT	1ST	TUE	01-10-2024	Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system	1
		THUS	03-10-2024	Problems	1
		FRI	04-10-2024	Abstract of cost of estimate.	1
	2ND	TUE	15-10-2024	Problems	1
				4.0 ADMINISTRATIVE SET-UP OF ENGINEERING ORGANISATIONS	4
		THUS	17-10-2024	4.1Administrative set-up and hierarchy of Engineering Deptt. Duties of responsibilities of Engineers at different positions /levels	1
		FRI	18-10-2024	DOUBT CLEARING CLASSES	1
		TUE	22-10-2024	PREVIOUS YEAR QUESTION DISCUSSION	1
	3RD	WED	23-10-2024	REVISION	1