

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER
Session-2022-2023

Discipline: Civil Engg.

Semester: 3rd


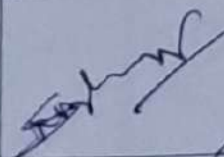
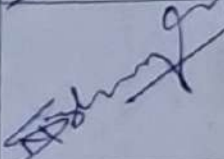

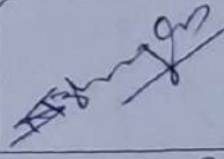
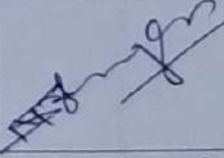
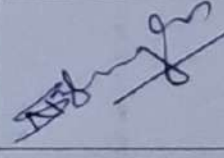
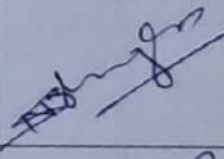
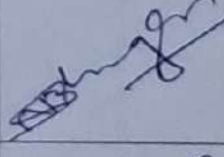
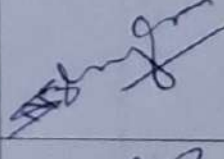

Subject: Estimation & Cost Evaluation-I

Name of the Teaching Faculty: Satyanarayan Bhuwalagar

Estimation &

Subject: cost Evaluation-1 No. of Days/per week class allotted 04


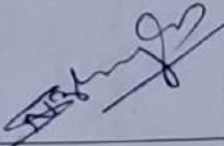


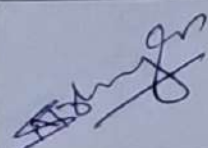
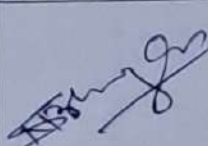
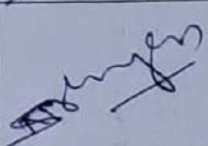
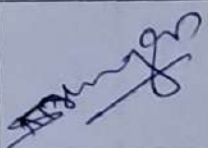

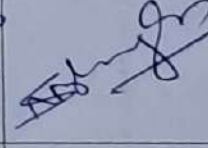
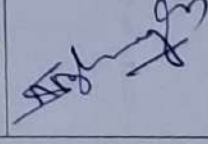
Semester From Date: 16/9/22 To Date: 13/1/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
16/9/22	Types of estimate - Plinth area carpet area	types of estimate	Plinth area estimate carpet area estimate	
17/9/22	Units & modes of measurements	Units & modes of measurement as per IS:200	types of unit use types measurements	
19/9/22	Accuracy & measurements for different items of work	measurements for different items of work	measurement of work of building plan length height	
20/9/22	Long wall short wall method	Introduction to long wall short wall method	Long wall short wall detail measurements	
23/9/22	Long wall short wall method	numericals on long wall short wall method	Numericals excavation foundation.	
24/9/22	Long wall short wall numericals	Solved numericals on long wall short wall method.	set class brick	
26/9/22	Long wall short wall Numericals	Solved numericals on long wall short wall method	plastering bearing calculation	
27/9/22	Long wall short wall Numericals	Solved numerical on long wall short wall method	parapet slab sun shade steel bar	
30/9/22	Introduction to centre line method	centre line method introduction	length deduction foundation concept.	
1/10/22	centre line method numericals	Solved numerical on centre line method	earth work excavation of foundation footing.	
10/10/22	centre line method Numericals	Solved numericals on centre line method	set footing brick work plinth band calculation.	

Estimation &

Subject: Cost Evaluation - 1 No. of Days/per week class allotted 04

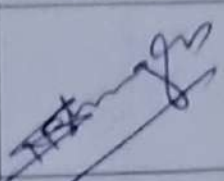
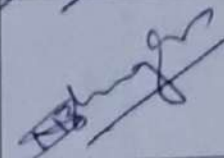
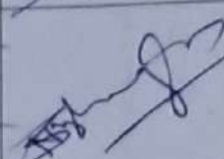

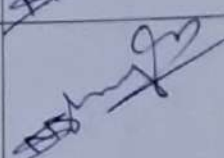
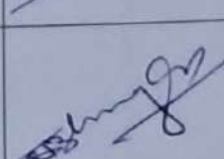
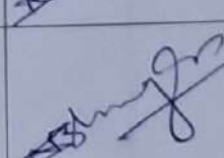
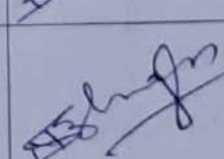
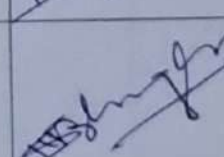
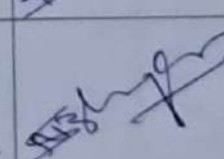
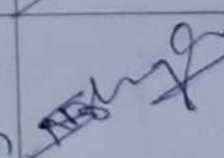
Semester From Date: 16/9/22 To Date: 18/1/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
11/10/22	Numericals on centre line method	Solved numericals on centre line method	plinth beam sft slab brick work on Super structure	
14/10/22	Numericals on centre line method	Solved numericals on centre line method	roof work slab work Lintel calculations	
15/10/22	Revision on long wall short wall method	Revision done on long wall short wall method	plinth foundation footing superstructure	
17/10/22	Revision on centre line method	Revision done on centre line method	Brick work plaster work concrete lintel	
18/10/22	Deduction in Brick masonry	Revised deduction on brick masonry	bearing edges opening	
21/10/22	Deduction in plastering white washing painting	Revised plastering white washing painting	white washing colouring painting.	
22/10/22	Multiplying factor for painting on door window grills	multiplying factor for window & grill	window grill door factor	
28/10/22	Multiplying factor for painting of door window grills.	window & grill multiplying factor	factor of door grill etc.	
29/10/22	Revision work masonry work white washing painting	masonry work	white washing painting	
31/10/22	Revision about multiplying factor of door, window	multiplying factor calculator	door window calculator	
1/11/22	Introduction about single storied building & components	single storied residential building components	column beam Lintel Chhajja.	

Estimation &

Subject: cost Evaluation-1 No. of Days/per week class allotted 04

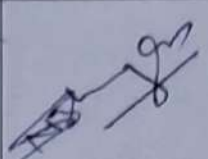
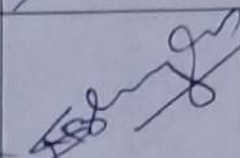
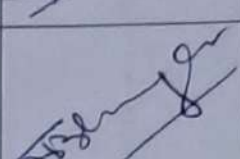
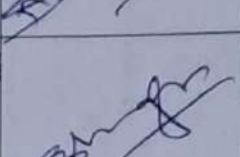
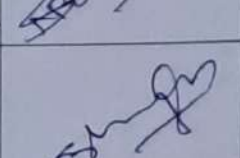
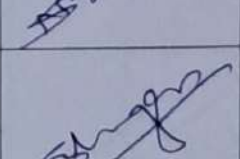
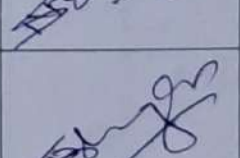
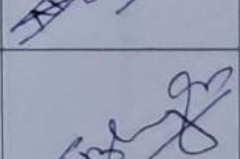
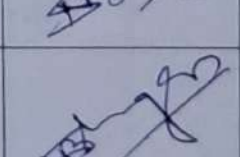
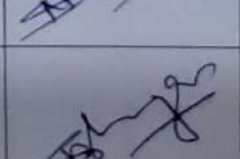
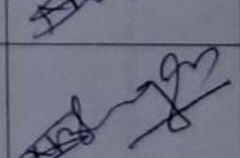
Semester From Date: 16/9/22 To Date: 18/1/23 No. of Weeks: 15

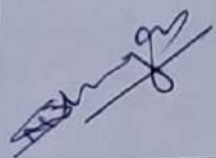
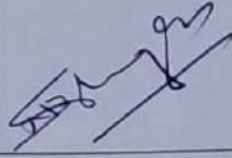
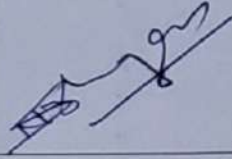
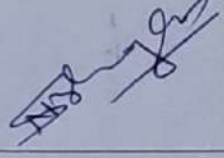
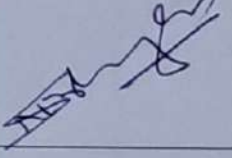
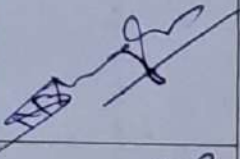
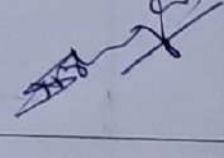
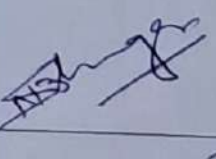
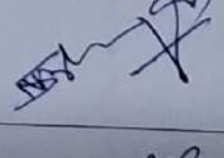
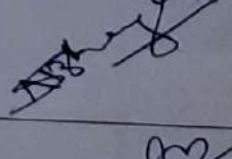
Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
4/11/22	Detailed estimate of a single storied building	Estimate of single storied building	Foundation footing brick work DPC.	
5/11/22	Detailed estimate of a single storied building	Estimate of single storied building	DPC set class brick work on super structure	
7/11/22	Detailed estimate of single storied building	Estimate of single storied building	Lintel work roof band slab work	
11/11/22	Detailed estimate of shallow foundation	Estimate of shallow foundation	Foundation footing foundation work.	
12/11/22	Detailed estimate of RCC slab work	Estimate of RCC slab	Bar bending concrete proportion calculation	
14/11/22	Detailed estimate of RCC slab with leak proof treatment	estimate of RCC slab leak proof treatment	leak proof treatment RCC slab bar bending.	
15/11/22	Detailed estimate of staircase & mummy room	Estimate of staircase & mummy room	stair case steel mummy room.	
18/11/22	Revision about single storied building	Revision about single storied building	footing foundation plinth.	
19/11/22	Revision about shallow foundation	Revision of shallow foundation	foundation size, depth types.	
21/11/22	Revision about estimate of RCC slab work	Estimate of RCC slab work Revision	Bar bending cover Clearance schedule.	
22/11/22	Revision about leak proof treatment staircase & mummy room	Revision about leak proof treatment staircase	staircase calculation mummy room consideration	

Estimation &

Subject: cost Evaluation - I No. of Days/per week class allotted 04

Semester From Date: 16/9/22 To Date: 18/1/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
25/10/22	Analysis of rates for cement concrete	Analysis of rates for cement concrete	cement rate Aggregate fine coarse rates.	
26/10/22	Analysis of brick masonry in cement mortar	Brick masonry cement mortar Analysis	cement mortar rate Brick work	
28/11/22	Analysis of laterite stone masonry in cement mortar	stone masonry Laterite Analysis	cement mortar for stone masonry laterite.	
29/11/22	cement plaster white washing Artificial stone flooring	Analysis of white washing stone flooring	white washing Artificial stone flooring calculation.	
2/12/22	tile flooring concrete flooring Analysis	Analysis of tile flooring concrete flooring	tile flooring material concrete flooring material	
3/12/22	RCC with centering & shuttering reinforcing steel	RCC with centering reinforcing steel analysis	shuttering centering reinforcement calculation.	
5/12/22	Analysis of painting doors & windows as per OPWD	painting doors & windows Analysis as per OPWD	painting door & window calculation OPWD guide rates.	
6/12/22	calculation of lead lift conveyance charges	calculation of lead lift conveyance charges	lead, lift charges calculation conveyance calculation.	
9/12/22	calculation of royalty of materials as per OPWD	calculation of royalty of materials as per OPWD	Royalty materials as per OPWD calculation.	
10/12/22	concept of OPWD Railways provisions	concept of OPWD Railways provisions	standards execution work	
12/12/22	Estimate of Abstract cost	Estimate of Abstract cost	type rates summarize the details	

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
18/12/22	valuation of values of cost	valuation values of cost	market value material cost.	
16/12/22	valuation of scrap value	scrap value valuation	individual physical asset.	
17/12/22	valuation of salvage value	valuation of salvage value	book value asset base.	
19/12/22	valuation of asset value sinking fund	valuation of asset value sinking fund	economic entity revenue.	
20/12/22	valuation of depreciation of obsolescence	depreciation of obsolescence	depreciation cost-section changing over time.	
23/12/22	Example & calculation of methods of valuation	Example & calculation of methods of valuation	market Asset financial transaction.	
24/12/22	Revision about analysis of rates for different work	Revision about rate of different work	repair work annual work.	
26/12/22	Revision about analysis of rate for cement work	Revision about analysis of cement work.	cement work plastering concreting rates per sqm.	
27/12/22	Revision about concreting flooring, painting as per EPWD.	Revision about flooring painting as per EPWD	EPWD norms flooring work painting work.	
30/12/22	Revision about calculation of lead, lift royalty	Revision about calculation of lead lift royalty.	royalty lead lift.	
31/12/22	Revision of Abstract of estimated cost	Revision of Abstract of estimated cost	Abstract cost earthwork foundation work.	