

Lesson Plan for AY: 2025-26, ODD Semester
Course with Code: Estimation & Contract Management -BCV702
Faculty:
Semester & Section: 7th & A

Module No.	Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned
1	1		Introduction to Syllabus	PPT
	2		Various drawing attached with estimates, Technical terms in estimation costing & Units of measurements	PPT
	3		Estimate & Types of estimates	PPT
	4		Estimation of quantity in Single room	PPT
	5		Estimation of quantity in double room (Same wall size)	Chalk & board
	6		Estimation of quantity in double room (Different wall size)	Chalk and board
	7		Estimation of quantity in a residential building	Chalk and board
	8		Estimation of quantity in a residential building	Chalk and board
	9		Estimation of quantity in a residential building	Chalk and board
	10		Estimation of R.C.C Structure (Column & footing)	Chalk and board
	11		Estimation of R.C.C Structure (Beam)	Chalk and board
	12		Estimation of R.C.C Structure (Slab)	Chalk and board
2	13		Estimation of quantity in septic tank	Chalk and board
	14		Estimation of quantity in septic tank with soak pit	Chalk and board
	15		Estimation of quantity in shallow Manhole	Chalk and board
	16		Estimation of quantity in Deep Manhole	Chalk and board
	17		Introduction to estimation of earthwork & Quantity estimation of earthwork using mid-section method	Chalk and board
	18		Problem on Earthwork estimate in embankment	Chalk and board
	19		Problems on Earthwork estimate using Prismoidal method	Chalk and board
	20		IA 1 Discussion	Chalk and board

		Problem on Detailed estimate of steel truss	
21		Problem on Detailed estimate of steel truss	Chalk and board
22		Problem on Detailed estimate of Culvert	Chalk and board
23		Preliminary survey & Detailed Project Report	PPT
3	24	Significance of Microsoft Excel in estimation	PPT
	25	Significance of Microsoft Excel in estimation	PPT
	26	Introduction to specifications & its types	PPT
	27	Detailed specifications of construction Materials	PPT
	28	Detailed specifications of construction works	PPT
	29	Detailed specifications of construction work	PPT
	30	Detailed specifications of construction work	PPT
	31	Specifications of aluminium and wooden partitions	PPT
	32	Specifications of false ceiling, aluminium and fiber doors and windows	PPT
	33	Specifications of Various types of claddings.	PPT
4	34	Introduction to rate analysis and preparation of bills	PPT
	35	Rate analysis for earth work in different types of soils	Chalk and board
	36	Rate analysis for cement concrete of different mixes	Chalk and board
	37	IA 2 Discussion	Chalk and board
		Rate analysis for bricks and stone masonry	
	38	Rate analysis for flooring, plastering	Chalk and board
	39	Rate analysis for RCC works	Chalk and board
	40	Rate analysis for centering and form work for different RCC items	Chalk and board

	41		Rate analysis for wood and steel works or doors, windows and ventilators	Chalk and board
5	42		Types of contract-essential of contract – legal aspects penal provision on breach of contract	PPT
	43		Definition of the terms-Tender, Earnest money deposit, tender forms, documents and types	PPT
	44		Comparative statements, acceptance of contract documents	PPT
	45		Issue of work orders, duties and liabilities	PPT
	46		Termination of contract, completion certificate, quality control, right of contractor refund of deposit	PPT
	47		Administrative approval - Technical sanction. Nominal muster roll, measurement books	PPT
	48		Procedure for recording and checking measurements – preparation of bills	PPT