



RAAJDHANI ENGINEERING COLLEGE, BHUBANESWAR

LESSON PLAN

Session: (2023-2024)

Discipline: Civil Engineering	Semester: 5 th SEM	Name of the Teaching Faculty: Prof. Geetanjali Mahanta
Subject: Estimation & cost evaluation-2 Theory-5	No. Of Days/Week: 4	Session : Sep 2023- Jan 24

Week	Class Day	Theory	References
1st	1st	INTRODUCTION	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Road estimation, discussion about C/S of road	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Earthwork in cutting, in filling	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Methods of road estimating	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
2nd	1st	Mid-sectional area method	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Mean-sectional area method, prismatic method	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Problems	
	4th	Revise class/doubt clearing	
3rd	1st	Detailed estimate of WBM road, Introduction	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Detailed estimate of a national highway	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Earthwork excavation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Different layer estimation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
4th	1st	Quiz test	
	2nd	Estimation of the slab culvert with right angle wingwall, drawing, discussion.	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Earthwork excavation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2

	4th	Pcc,b/w in superstructure ,	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
5th	1st	Plastering, pitching	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Estimation of slab culvert with splayed wing wall,drawing ,discussion	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	E/W excavation in foundation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	PCC,B/W in super structure	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
6th	1st	Plastering, pitching	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Detailed estimate of simple type of vertical fall togiven specification	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	E/W in foundation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Pcc, b/w in superstructure	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
7th	1st	Plastering, pitching	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Estimation of septic tank (50 user)	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Estimation of pile cap, tube well	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	<i>Estimation of isolated and combined footing</i>	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
8 th	1st	Quiz test	
	2nd	Detailed estimate of siphon well drop to given specification	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	e/w excavation in foundation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Pcc,b/w in superstructure	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
9 th	1st	Plastering, Pitching	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Revise class	
	3rd	PWD accounts works Classification of work-original, major, petty, repair work, annual repair, special repair,quadrantal repair	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Method of execution of works through the contractors,departmentally, contract and agreement, work order, item rate contract, lump sum contract, labour contract and daily labour	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
10 th	1st	piece work agreement, scheduled contract, cost plus percentage contract	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2

	2nd	Administrative approval, technical sanction, contingency budget, tender, preparation of notice inviting tender, receiving of quotations, earnest money,	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	security deposit, advance payment, on account payment,	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Intermediate payment, final payment, running bill, final, regular	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
11 th	1st	Temporary establishment, cash, major	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Subhead of account	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Temporary advance, issue rate, storage	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Supervision charges, suspense account	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
12 th	1st	Debit, credit, book transfer,	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Voucher and related accounts	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Measurement book use & maintenance	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Procedure of marking entries of measurement of work	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
13 th	1st	Supply of materials, labour employees	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Standard measurement books and common irregularity	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Master roll : Its preparation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Use for making payment of pay & wages	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
14 th	1st	Acquaintance Roll : Its preparation	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	Use for making payment of pay & wages	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Classification of stores, receipt	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	4th	Issue statement on standard form,	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
15 th	1st	Method of preparation of stock account, preparation and submission of returns	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	2nd	verification of stocks, shortage and excess	https://www.youtube.com/playlist?list=PLnF8nVqO_ho10f6b3tLUj6QIKo9HNTkV2
	3rd	Doubt clearing class	
	4th	Previous year question answer discussion	