

DISCIPLINE: CIVIL ENGINEERING	SEMESTER:5th	NAME OF THE TEACHING FACULTY: LOPAMUDRA MAHANTA
SUBJECT: Estimating and Cost Evaluation -II	NUMBER OF DAYS/ PER WEEK CLASS ALLOTTED:4	SEMESTER FROM DATE:15.09.22
WEEK	CLASS DAY	THEORY TOPICS
1st	1st	Detailed estimate of culverts and bridges 1.1 Detailed estimate of a simple Hume pipe culvert with right angled wing walls
	2nd	problem
	3rd	problem
	4th	problem
2 nd	1st	problem
	2nd	1.2 RCC deck slab culvert with right angled wing wall
	3rd	problem
	4th	problem
3rd	1st	problem
	2nd	problem
	3rd	1.3RCC deck slab culvert with splayed wing wall
	4th	problem

WEEK	CLASS DAY	THEORY TOPICS
4th	1st	problem
	2nd	problem
	3rd	problem
	4th	1.4Quantity of steel for deck slab with bar bending schedule of the above jobs
5th	1st	problem
	2nd	problem
	3rd	problem
	4th	problem
6th	1st	2. Estimate of irrigation structures Detailed estimate of simple type of vertical fall to given specification
	2nd	problem
	3rd	Problem
	4th	Problem
7th	1st	Problem
	2nd	Problem
	3rd	2.3Detailed estimate of siphon well drop to given specification.
	4th	problem

WEEK	CLASS DAY	THEORY TOPICS
8th	1st	problem
	2nd	problem
	3rd	problem
	4th	3. Detailed estimate of roads Detail estimate of a water bound macadam road
9th	1st	problem
	2nd	problem
	3rd	problem
	4th	problem
10th	1st	3.2 Detailed estimate of a National Highway in cutting / filling
	2nd	problem
	3rd	PWD accounts works
	4th	4.1 Works 1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair
11th	1st	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, piece work agreement, scheduled contract, cost plus percentage contract
	2nd	Accounts of works 4.2.1 Explanation of various terms Administrative approval, technical sanction, contingency
	3rd	budget, tender, preparation of notice inviting tender, receiving of quotations, earnest money, security deposit, advance payment, on account payment, intermediate payment
	4th	final payment, running bill, final,

WEEK	CLASS DAY	THEORY TOPICS
12th	1st	regular and temporary establishment, cash,
	2nd	major & subhead of account, temporary advance, issue rate,
	3rd	storage, supervision charges, suspense account,
	4th	debit, credit, book transfer, voucher and related accounts
13th	1st	Measurement book use & maintenance,
	2nd	procedure of marking entries of measurement of work and supply of materials,
	3rd	labour employed, standard measurement books and common irregularity
	4th	Master roll : Its preparation & use for making payment of pay & wages
14th	1st	Acquaintance Roll : Its preparation & use for making payment of pay & wages
	2nd	Labour & labour report,
	3rd	method of labour payment, use of forms and necessity of submission
	4th	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account
15th	1st	preparation and submission of returns, verification of stocks, shortage and excess
	2nd	Doubt clearing classes
	3rd	Previous year question answer discussion
	4th	REVISION