

IDEAL SCHOOL OF ENGINEERING,RETANG-752054

DISCIPLINE: CIVIL ENGINEERING	SEMESTER: 5 TH SEM	NAME OF THE TEACHING FACULTY: ER. SUPRIYA SAHOO & ER. ARPITA ROUT
SUBJECT: ESTIMATING AND COST EVALUATION-II (TH-5)	No of Days/Per week class allotted: 4 Class P/W(60)	Semester From Date: 15/09/2022 To Date: 22/12/2022 No. Of Weeks: 15
WEEK	CLASS DAY	THEORY
1 st	1 st	Detailed estimate of culverts and bridges 1.Detailed estimate of a RCC slab culver
	2 nd	Details quantities calculation of earthwork excavation
	3 rd	Details quantities calculation cement concrete in foundation
	4 th	Details quantities calculation of first-class brickwork in culvert.
2 nd	1 st	Details quantities calculation of R.C.Cwork
	2 nd	Details quantities calculation of steel bars including bending in R.C.C
	3 rd	Numeric problem solve
	4 th	Numeric problem solve
3 rd	1 st	Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.
	2 nd	Numeric problem solve
	3 rd	Numeric problem solve
	4 th	RCC Hume pipe culvert with splayed angled wing wall
4 th	1 st	Estimate of irrigation structures Detailed estimate of drainage siphon to given specification
	2 nd	Details quantities calculation of earth work excavation
	3 rd	Details quantities calculation cement concrete in foundation
	4 th	Details quantities calculation of first-class brickwork in siphon.
5 th	1 st	Numeric problem solve doubt clear class
	2 nd	Details quantities calculation of R.C.Cwork

	3 rd	Details quantities calculation of 10cm thick brick floor
	4 th	Numeric problem solve doubt clear class
6 th	1 st	Numeric problem solve doubt clear class
	2 nd	Detailed estimate of simple type of vertical fall to given specification
	3 rd	Numeric problem solve(earthwork excavation)
	4 th	Numeric problem solve(cement concrete in foundation)
7 th	1 st	Numeric problem solve(R.C.C work)
	2 nd	Numeric problem solve(brick work in foundation)
	3 rd	Detail estimate of a water bound macadam road
	4 th	Problems of earthwork fully in banking and cutting
8 th	1 st	Problems of earthwork partly in banking and cutting
	2 nd	Numeric problem solve based upon estimate the cost of earthwork from data.
	3 rd	Numeric problem solve
	4 th	Numeric problem solve
9 th	1 st	Detailed estimate of a flexible pavement in cutting / filling
	2 nd	Numeric problem solve based upon cutting and filling
	3 rd	Numeric problem solve based upon cutting and filling
	4 th	Detailed estimate of septic tank and soak pit for 50 users
10 th	1 st	Numeric problem solve
	2 nd	Numeric problem solve
	3 rd	Miscellaneous estimates Tube well estimate
	4 th	Numeric problem solve based upon tube well
11 th	1 st	Numeric problem solve based upon tube well
	2 nd	Piles and Pile cap estimate
	3 rd	Numeric problem solve based upon piles
	4 th	Numeric problem solve based upon piles
12 th	1 st	Estimate of isolated footing
	2 nd	Numeric problem solve of isolated footing
	3 rd	Numeric problem solve of isolated footing
	4 th	combined footings
	1 st	Numeric problem solve combined footings
	2 nd	Numeric problem solve combined footings

13 th	3 rd	PWD Accounts works Classification of work-original, major, petty, repair work, annual repair,
	4 th	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work
14 th	1 st	Accounts of works
	2 nd	Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, final bill,
	3 rd	regular and temporary establishment, cash, major & subhead of account, temporary advance (imprest money),supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts
	4 th	2 Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity
15 th	1 st	Muster roll : Its preparation & use for making payment of pay & wages Acquaintance Roll : Its preparation & use for making payment of pay & wages
	2 nd	Labour & labour report, method of labour payment, use of forms and necessity of Submission
	3 rd	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account, preparation and submission of returns, verification of stocks, shortage and excess
	4 th	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc