

LESSON PLAN (WINTER-2021)
DEPARTMENT OF CIVIL ENGINEERING
SUBJECT-, ESTIMATING & COST EVALUATION- II (TH.5) 5th SEMESTER
FACULTY-SUDHASHREE MUNDA

TOPICS TO BE COVERED	WEEK/MONTH
CHAPTER-1: DETAILED ESTIMATE OF CULVERTS AND BRIDGES	1 st
Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.	2 nd
-do-	
Detailed estimate of RCC Hume pipe culvert with splayed angled wing wall	3 rd
-do-	
REVISION, Q/A Discussion	4 th
CHAPTER-2: ESTIMATE OF IRRIGATION STRUCTURES	
Detailed estimate of simple type of vertical fall to given specification	5 th
-do-	
Detailed estimate of drainage siphon to given specification.	6 th
-do-	
CLASS TEST -1	7 th
REVISION, Q/A Discussion	
CHAPTER-3: DETAILED ESTIMATE OF ROADS	8 th
Detail estimate of a water bound macadam road	
Detailed estimate of a flexible pavement in cutting / filling	9 th
-do-	
Detailed estimate of septic tank and soak pit for 50 users	10 th
REVISION, Q/A Discussion	
CHAPTER-4: MISCELLANEOUS ESTIMATES	11 th
Detailed estimate of Tube well.	
Detailed estimate of piles and pile cap.	12 th
Detailed estimate of isolated and combined footings.	
CLASS TEST - 2	13 th
CHAPTER-5: PWD ACCOUNTS WORKS	
Works: Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.	14 th
-Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement.	
-Accounts of works	15 th
-Explanation of various terms: 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, 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 .	
-Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity	16 th
-Muster roll : Its preparation & use for making payment of pay & wages	
-Acquittance Roll : Its preparation & use for making payment of pay & wages	17 th
-Labour & labour report, method of labour payment, use of forms and necessity of Submission	
-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	18 th
-Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.	
REVISION	19 th
MOCK TEST	

Sudha

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10/10/2021
HOD C&E