

LESSONPLAN

PROGRAMME: DIPLOMA IN CIVIL ENGINEERING COURSENAME: Estimation & Cost Evaluation-II COURSECODE: TH5 SEMESTER:5th PERIODS/WEEK:04 TOTALPERIODS:60		Name of Faculty : Sanjeeb Meher Session: Winter
CLASS	TOPIC	
1	Detailed Estimate of Culverts and Bridges : Definition of Culverts & Bridges ,types of culverts and bridges.	
2	Estimate of a RCC slab culvert with right angled wing walls (Earthwork Excavation,PCC work)	
3	Estimate of 1 st class Brick work and RCC work	
4	Estimate of bar bending schedule	
5	Estimate of bar bending schedule and practice of other similar type culverts	
6	Estimate of Wearing coat and Cement Pointing.	
7	RCC Hume pipe culvert with splayed angled wing wall : Estimate of Earthwork excavation work & Cement Concrete.	
8	Estimate of 1 st class Brick work.	
9	Estimate of Cement pointing and pile length as per given drawing.	
10	Estimate of Pipe culvert (similar structures)	
11	Estimate of different particulars of item of Pipe culvert (similar structures)	
12	Practice for students.	
13	Estimate of irrigation structures : Detailed estimate of simple type of vertical fall to given specification as per drawings. (Estimate of Earthwork)	
14	Estimate of Earthwork	
15	Estimate of Cement Concrete	
16	Estimate of 1 st class Brick work. And Brick-on-edge.	
17	Estimate of Cement Pointing	
18	Estimate of Brick Pitching.	
19	Practice for students for similar structures.	
20	Detailed estimate of drainage siphon to given specification:	
21	Estimate of Earthwork.	
22	Estimate of Earthwork.	
23	Estimate of 1 st class brick work.	
24	Estimate of Slab of Siphon.	
25	Estimate of Flooring of Drainage siphon	
26	Estimate of Cement pointing and brick pitching.	
27	Detailed estimate of roads : Detail estimate of a water bound macadam road.	
28	Detail estimate of a water bound macadam road.	
29	Detailed estimate of a flexible pavement in cutting / filling	
30	Detailed estimate of a flexible pavement in cutting / filling	
31	Practice for student	

32	Practice for students.
33	Detailed estimate of a flexible pavement in cutting / filling
34	Detail estimate of a water bound macadam road
35	Detailed estimate of septic tank and soak pit for 30 users(estimate of different items)
36	Detailed estimate of septic tank and soak pit for 30 users (estimate of rest items)
37	Detailed estimate of septic tank and soak pit for 50 users(Practice)
38	Miscellaneous estimates : Tube well(40 m deep)
39	Tube well (50 m deep)
40	Tube well (Practice)
41	Piles and Pile cap
42	Piles and Pile cap
43	Piles and Pile cap
44	Isolated footing (square size)
45	Isolated footing(rectangular size)
46	Isolated footing(practice for student)
47	Isolated footing(practice for student)
48	combined footings(Rectangular)
49	combined footings.(Square)
50	combined footings(practice for student)
51	PWD Accounts works: Works, Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
52	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement
53	Accounts of works : 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
54	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
55	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity
56	Muster roll : Its preparation & use for making payment of pay & wages
57	Acquittance Roll : Its preparation & use for making payment of pay & wages
58	Labour & labour report, method of labour payment, use of forms and necessity of Submission
59	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
60	Building BYLAWS and REGULATORY Bodies , Development authorities, types and their levels, RERA etc