

Badriprasad Institute of Technology, Sambalpur

Lesson plan for Theory -5, Estimation & Cost Evaluation – II

Semester & Branch : 5th Sem Civil Engineering

Total Periods-60

Name of the faculty : Mrs. Sudipta Patel

No of periods /week-4

WEEK	CLASS DAY	THEORY TOPICS
1st	1st	Detailed estimate of culverts and bridges
		Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.
	2nd	Continue of 1stclass
	3rd	Continue of 2nd class
2nd	4th	Continue of 3rd class
	1st	RCC Hume pipe culvert with splayed angled wing wall
	2nd	Continue of 1stclass
	3rd	Continue of 2nd class
3rd	4th	Continue of 3rd class
	1st	Revision Class
	2nd	Class Test
	3rd	Estimate of irrigation structures
4th	3rd	Detailed estimate of simple type of vertical fall to given specification
	4th	Continue of 3rd class
	1st	Continue of 4th Class
	2nd	Continue of 1stclass
5th	3rd	Detailed estimate of drainage siphon to given specification.
	4th	Continue of 3rd class
	1st	Continue of 4th Class
	2nd	Continue of 1stclass
6th	3rd	Revision Class
	4th	Detailed estimate of roads
		Detail estimate of a water bound macadam road
	1st	Continue of 4th Class
7th	2nd	Continue of 1stclass
	3rd	Detailed estimate of a flexible pavement in cutting / filling
	4th	Continue of 3rd class
	1st	Continue of 4th Class
8th	2nd	Continue of 1stclass
	3rd	Detailed estimate of a flexible pavement in cutting / filling
	4th	Continue of 3rd class
	1st	Continue of 4th Class
9th	2nd	Detailed estimate of septic tank and soak pit for 50 users
	3rd	Continue of 2nd class
	4th	Continue of 3rd class
	1st	Miscellaneous estimates
9th		Tube well
	2nd	Piles and Pile cap
	3rd	Isolated and combined footings.
	4th	Revision Class

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10th	1st	PWD Accounts works
		Works
	2nd	Classification of work-original, major, petty
	3rd	repair work, annual repair,
	4th	special repair, quadrantal repair.
11th	1st	Concept of Method of execution of works through the contractors and department,
	2nd	contract and agreement, work order
	3rd	types of contract, piece work agreement.
		Accounts of works – Explanation of various terms
12th	1st	Administrative approval, technical sanction, tender,
	2nd	preparation of notice inviting tender, quotations,
	3rd	major & subhead of account, temporary advance (imprest money),supervision charges,
	4th	suspense account, debit, credit, book transfer, voucher and related accounts .
13th	1st	earnest money, E-tendering, security deposit, advance payment, intermediate payment,
	2nd	final payment, running bill, final bill,
	3rd	regular and temporary establishment, cash,
	4th	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed,
14th	1st	standard measurement books and common irregularity
	2nd	Muster roll : Its preparation & use for making payment of pay & wages
	3rd	Acquittance Roll : Its preparation & use for making payment of pay & wages
	4th	Labour & labour report, method of labour payment, use of forms and necessity of Submission
15th	1st	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account,
	2nd	preparation and submission of returns, verification of stocks, shortage and excess
	3rd	Building BYLAWS and REGULATORY Bodies, Development authorities,types and their levels, RERA etc.
	4th	Rivision CIASS

Sign of Faculty

Sign of HOD