

LESSON PLAN

Name of the faculty: Mahamrutyunjaya Sivaprasad Kar

Academic Session: 2019-2020

Program: Diploma in Civil Engineering

Course Number: Th 4

Course Name: Estimation & Cost Evaluation-I

Name of the Course: Diploma in Civil Engineering			
Course code:		Semester	4 th
Total Periods:	60	Examination	3 hrs
Theory Periods:	4P/week	Class Test:	20
Maximum marks:	100	End Semester Examination:	80

Chapter	Name of topics	Hours
1	Introduction :	02
2	Quantity Estimate of Building	30
3	Analysis of Rates and Valuation.	22
4	Administrative Set-Up of Engineering Organisations	04

WEEK	DATES	No of periods available	TOPICS TO BE COVERED	TOPICS COVERED	SHORT FALL (IF ANY)	REASONS	DATE OF MAKE UP OF SHOR TFALL	INITIALS OF FACULTY
2 nd week of September	7/09/2020 to 12/09/2020	4	1. Introduction 1.1.Types of estimate- plinth area ,floor area/ carpet area 1.2.Units and modes of measurement as per IS 1200 1.3. Accuracy of measurement for different item of work	1. Introduction 1.1.Types of estimate- plinth area ,floor area/ carpet area 1.2.Units and modes of measurement as per IS 1200 1.3. Accuracy of measurement	No Shortfall	-	-	M.S.Ka

				for different item of work				
						-	-	M.S.K
3 rd week of September	14th sept to 18th sept	4	2. Quantity Estimate of Building 2.1. Short wall, long wall method and centre line method, Deduction in masonry, plastering, white washing, painting etc. - multiplying factor (paint coefficient) for painting of door, windows (panelled, glazed), grills etc.	Same as to be covered	No shortfall	-	-	M.S.K
4 th week of September	21 to 25 th September	4	2.2. Detailed estimate of single storied flat roof building with shallow foundation	Same as to be covered	No shortfall	-	-	M.S.K
5 th week of September	28 th sept to 2 nd October	3	2.2. continued (boundary wall)	Same as to be covered	No shortfall	-	-	M.S.K
1 st week of October	5 th october to 9 th october	4	2.2. Continued (Simple foundation of wall)	Same as to be covered	No shortfall	-	-	M.S.K
2 nd week of October	12 th october to 16 th october	4	2.2. Continued	Same as to be covered	No shortfall	-	-	M.S.K
3 rd week of October	19 th october to 23 th	4	2.2. Continued (one room with verandah)	Same as to be covered	No shortfall	-	-	M.S.K

	October							
4 th week of October	26 th October to 30 th October	3	2.2 continued (Two room building with verandah)	Same as to be covered	No shortfall	-	-	M.S.K
1 st week of November	2 nd - 7 th November	4	Two room with verandah	Same as to be covered	Nil	-	-	M.S.K
2 nd week of November	9 th - 14 th November	4	3 Analysis of Rates and Valuation:- 3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar,	Same as to be covered	Nil	-	-	M.S.K
3 rd week of November	16 th - 21 st November	4	laterite stone masonry in Cement Mortar, cement plaster, white washing	Same as to be covered	Nil	-	-	M.S.K
4 th week of November	23 rd - 28 th November	4	Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD	Same as to be covered	Nil	-	-	M.S.K
1 st week of December	1 st - 5 th December	4	3.2 Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system (Concept of C.P.W.D./Railways provisions	Same as to be covered	Nil	-	-	M.S.K

