

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-principal
1 <sup>st</sup>	1.	Estimate: Principles of estimation, units, items of work,			
	2.	Different kinds of estimates,			
	3.	Different methods of estimation, estimation of materials in single room building,			
2 <sup>nd</sup>	4.	Two roomed building with different sections of walls,			
	5.	foundation, floors and roofs, R.B.			
	6.	R.V.C.C. works, Plastering, White-washing, Distempering and painting,			
3 <sup>rd</sup>	7.	Doors and windows,			
	8.	lump sum items, Estimates of canals, roads etc			
	9.	Specification of Works: Necessity of specifications			
4 <sup>th</sup>	10.	types of specifications			
	11.	general specifications			
	12.	specification for bricks, cement, sand, water, lime, reinforcement			
5 <sup>th</sup>	13.	specification for bricks, cement, sand, water, lime, reinforcement			
	14.	Detailed specifications for Earthwork,			
	15.	Detailed specifications for, Cement, concrete, brick work,			
6 <sup>th</sup>	16.	Detailed specifications for floorings, D.P.C			
	17.	Detailed specifications for R.C.C., cement plastering,			
	18.	white and colour washing			
7 <sup>th</sup>		-----Ist Minor Test-----			
8 <sup>th</sup>	19.	Distempering, painting.			
	20.	Rate Analysis: Purpose, importance			
	21.	Requirements of rate analysis,			
9 <sup>th</sup>	22.	Units of measurement,			
	23.	Preparation of rate analysis,			
	24.	Procedure of rate analysis for items:- Earthwork,			
10 <sup>th</sup>	25.	Procedure of rate analysis for items:- concrete works, R.C.C. works,			
	26.	Procedure of rate analysis for items:- , reinforced brick work,			
	27.	Procedure of rate analysis for items:- plastering			
11 <sup>th</sup>	28.	Procedure of rate analysis for items:- painting,			
	29.	Procedure of rate analysis for items: - , finishing (white-washing, distempering).			
	30.	Public Works Account: Introduction, function of P.W. department, contract			
12 <sup>th</sup>	31.	guidelines, types of contracts, , their advantages and disadvantages,			
	32.	Tender and acceptance of tender, Earnest money, security money, retention money,			
	33.	measurement book, cash book,			
13 <sup>th</sup>	34.	preparation, examination and payment of bills, first and final bills			
	35.	administrative sanction, technical sanction			
	36.	Valuation: Different terms used, the role of a valuer, purpose and necessity of the same.			
14 <sup>th</sup>		-----2 <sup>nd</sup> Minor Test-----			
15 <sup>th</sup>	37.	e. Capitalised Value, Years purchase ,sinking fund, depreciation, types of values,			
	38.	, Purpose of valuation Different methods of valuation for i. open plots ,			
	39.	Purpose of valuation Different methods of valuation for ii. open plots with existing residential & commercial structures iii. lease hold properties Use of valuation tables and formulae			

