

### CVE-408-P Estimation and Accounts

**Name of the Faculty** : Mr. Kamaldeep Singh  
**Discipline** : B.Tech in Civil Engineering  
**Semester** : VIII (4<sup>th</sup>Year)  
**Subject** : CVE-408-P Estimation and Accounts  
**Lesson Plan Duration** : 15 Weeks  
**Work Load (Lecture / Practical) per week (in hrs.)** : Practical – 02

Week	<b>Practical</b>	
	Lecture day	Topic (Including Assignment Test)
1 <sup>st</sup>	1	Estimate: Principles of estimation, units, items of work, different kinds of estimates,
	2	different methods of estimation, estimation of materials in single room building,
2 <sup>nd</sup>	3	Illustrative example
	4	two roomed building with different sections of walls, foundation, floors and roofs,
3 <sup>rd</sup>	5	Illustrative example
	6	R.B. and R.V.C.C. works, Plastering, White-washing, Distempering and painting, doors and windows, lump sum items,
4 <sup>th</sup>	7	Estimates of canals, roads etc.
	8	Illustrative example
5 <sup>th</sup>	9	Specification of Works: Necessity of specifications, types of specifications, general specifications,
	10	Specification for bricks, cement, sand, water, lime, reinforcement;
6 <sup>th</sup>	11	Detailed specifications for Earthwork, Cement, concrete, brick work, floorings, D.P.C., R.C.C.,
	12	Cement plastering, white and color washing, distempering, painting.
7 <sup>th</sup>	13	<b>VIVA- VOCE Group – 1</b>
	14	
8 <sup>th</sup>	15	<b>VIVA – VOCE Group - 2</b>
	16	
9 <sup>th</sup>	17	Rate Analysis: Purpose, importance and requirements of rate analysis, units of measurement,
	18	Preparation of rate analysis, procedure of rate analysis for items:- Earthwork, concrete works,
10 <sup>th</sup>	19	Procedure of rate analysis for items: -R.C.C. works, reinforced brick work, plastering, painting, finishing (white-washing, distempering).
	20	Public Works Account: Introduction, function of P.W. department, contract,
11 <sup>th</sup>	21	Guidelines, types of contracts, their advantages and disadvantages,

	22	Tender and acceptance of tender, Earnest money, security money, retention money,
12 <sup>th</sup>	23	Illustrative example of contract and tender
	24	Measurement book, cash book, preparation, examination and payment of bills,
13 <sup>th</sup>	25	First and final bills, administrative sanction, technical sanction
	26	Illustrative example of Measurement book and bill preparation
14 <sup>th</sup>	27	<b>VIVA-VOCE- 1</b>
	28	
15 <sup>th</sup>	29	
	30	<b>VIVA – VOCE Group - 2</b>

