

**NETAJI SUBHASH ENGINEERING COLLEGE**  
**Technocity ,Garia , Kolkata 700152**  
**LESSON PLAN : Chemistry-I (BS-CH 291) for CSE, IT, ME, CE**

<b>Experiment No.</b>	<b>Name of the experiment with CO</b>	<b>CO in Bloom Taxonomy</b>	<b>No of period</b>
1,2	Determine the conductance and pH of acid or alkali solution with modern instruments to find their strength and apply to evaluate the quality of tea, fruit juice, soil etc.	Determine, Apply, Evaluate	3P
3	Estimate quantitatively the dissolved oxygen in a water sample and thus assess its quality (viz. pollution standard)	Estimate, Asses	3P
4	Analyze water sample to estimate the quantity of chloride in it and determine its usability in day to day life	Analyze, Estimate, Determine	3P
5	Determine surface tension and viscosity of unknown liquid and apply the same to judge its physical behavior and usefulness in regular life	Determine, Judge	3P
6	Determine partition coefficient of a solute to two immiscible solvent to characterize its solubility and apply the knowledge in regular life	Determine, Characterize, Apply	3P
7	Characterize unknown compounds by Thin Layer Chromatography and identify them from complex mixtures, involved in industrial processes.	Characterize, Identify	3P
8	Determine redox potential of chemical reaction and apply it to characterize industrial processes, particularly electrochemical processes	Determine, Characterize	3P