

**Assignments:****LIST OF EXPERIMENTS TO BE CONDUCTED**

ACADEMIC YEAR: 2018-19

COURSE NAME: CHEMISTRY-1 (LABORATORY)

COURSE CODE: BS-CH 191

SEMESTER: 1<sup>st</sup>

PROGRAM: B. Tech in ECE

**LIST OF EXPERIMENTS WITH CO-PO-PSO MAPPING**

<b>SL. NO.</b>	<b>Name of Experiments</b>	<b>CO</b>	<b>PO</b>	<b>PSO</b>
1.	Determination of dissolved oxygen present in a given water sample.	CO5	PO1, PO2, PO7	
2.	Conductometric titration for determination of the strength of a given HCl solution by titration against a standard NaOH solution.	CO2	PO1, PO2, PO5, PO12	PSO2
3.	Determination of the partition coefficient of a substance between two immiscible liquids.	CO4	PO1	
4.	Adsorption of acetic acid by charcoal.	CO1	PO1, PO2, PO5, PO12	PSO2
5.	Determination of surface tension and viscosity.	CO3	PO1	
6.	pH- metric titration for determination of strength of a given HCl solution against a standard NaOH solution.	CO2	PO1, PO2, PO5, PO12	PSO2
7.	To determine chloride ion in a given water sample by Argentometric method (using chromate indicator solution).	CO5	PO1, PO2, PO7	
8.	Determination of the rate constant of a reaction.	CO4	PO1	
9.	Thin layer chromatography.	CO1	PO1, PO2, PO5, PO12	PSO2
10.	Potentiometry - determination of redox potentials and emfs	CO2	PO1, PO2, PO5, PO12	PSO2