

## Contents

Sl. No	Experiments	Instructor	Tentative Date. (For the first batch)	TAs
1	Determination of Iso-Electric Point of an Amino acid.	AD	20 April	Sourav K Panda ( <a href="mailto:skp2ors133@iiserkol.ac.in">skp2ors133@iiserkol.ac.in</a> )  Shibani Mohata ( <a href="mailto:sm17ipo19@iiserkol.ac.in">sm17ipo19@iiserkol.ac.in</a> )  Ashok K Mahato ( <a href="mailto:akm1grso67@iiserkol.ac.in">akm1grso67@iiserkol.ac.in</a> )
2	Determination of the Degree of Hydrolysis and the Hydrolysis Constant by Potentiometry.	AD	27 April	
3	Determination of $K_{sp}$ , $\Delta G^\circ$ , $\Delta H^\circ$ , $\Delta S^\circ$ , for dissociation of $\text{Ca(OH)}_2$ in Water.	AD	15 May	
4	Determination of Molecular Weight of a Polymer (PVA) by Ostwald Viscometer.	AD	22 May	
5	Determination of the $pK_{in}$ Value of an Acid-Base Indicator by Spectrophotometric Method.	RV	20 March	Nitish Kumar ( <a href="mailto:nk21rs017@iiserkol.ac.in">nk21rs017@iiserkol.ac.in</a> )  Saikat Bag ( <a href="mailto:sb19rs041@iiserkol.ac.in">sb19rs041@iiserkol.ac.in</a> )  Ananada Basak ( <a href="mailto:ab2ors009@iiserkol.ac.in">ab2ors009@iiserkol.ac.in</a> )
6	Determination of the Strength of a Solution of a Strong Acid by Conductometric Titration.	RV	27 March	
7	Determination of Order for the Persulphate-Iodide Reaction.	RV	3 April	
8	Study of the Distribution of Benzoic acid between Toluene & Water.	RV	13 April	
9	Molecular Modelling of a Few Organic/Inorganic Molecules Using Computational Calculation.	PG	29 May	Yenugu Nikhil ( <a href="mailto:yn21rs078@iiserkol.ac.in">yn21rs078@iiserkol.ac.in</a> )
10	HOMO-LUMO Energy Optimization of a Few Organic/Inorganic Molecules Using Computational Calculation.	PG	05 June	