

Department of Chemistry Raja Rammohun Roy Mahavidyalaya

Add on Course

Course Title: Basic Analytical Chemistry: A hand on experience

Objective of the course: The Objective of the course is to train the participants about the common techniques used in chemical laboratories. These techniques are also very much useful in Industries as well. The learners will get acquainted with the basics of laboratory techniques which are used in advanced research labs and industries.

Duration: 20 Hours

Course Fee: Free

Course Coordinator: Dr. Ranjana Bhattacharyya, Contact No.9123739008

Sl No	Topic
1	Introduction to analytical chemistry
2	Introduction on titration and estimation of strengths of acids and bases by titrimetric method
3	Estimation of acetic acid in commercial vinegar by simple acid-base titration
4	Determination of hardness of water samples
5	Determination of pH of water samples
6	Making buffer of particular pH
7	Introductory lecture on separation techniques
8	Separation of mixture of food dyes by thin layer chromatography and calculation of R_f
9	Lecture on ion exchange separations
10	Quantitative estimation of glucose

Ranjana Bhattacharyya
4.3.2024

Head of the Department of Chemistry
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