

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of Chemistry

Bankura Christian College

ACADEMIC YEAR: 2023-24 (Semester 2nd /4th /6th)

6th Semester (Hons) Practical (January, 2023 to June, 2023)

Name of faculty member: Dr.Mahendra Ghosh

Subject: Chemistry

Core P14(Physical Chemistry)

Unit - 1

Determination of surface tension of a liquid using Stalagmometer

Unit - 2

Verification of Beer and Lambert' s Law for KMnO₄ and K₂Cr₂O₇ solution

Study of kinetics of K₂S₂O₈ + KI reaction, spectrophotometrically

Unit - 3

Determination of pH of unknown buffer, spectrophotometrically

Spectrophotometric determination of CMC

Unit - 4

Determination of CMC from surface tension measurements

MONTH/YEAR	WEEK	PORTIONS
March 2023	3 rd	Theoretical discussion of Determination of surface tension of a liquid using Stalagmometer
	4 th	Determination of surface tension of a liquid using Stalagmometer
	5 th	Repeat
April 2023	1 st	Theoretical discussion of Verification of Beer and Lambert' s Law for KMnO ₄ and K ₂ Cr ₂ O ₇ solution
	2 nd	Verification of Beer and Lambert' s Law for KMnO ₄ and K ₂ Cr ₂ O ₇ solution
	3 rd	Theoretical discussion of Study of kinetics of K ₂ S ₂ O ₈ + KI reaction, spectrophotometrically
	4 th	Study of kinetics of K ₂ S ₂ O ₈ + KI reaction, spectrophotometrically
May 2023	1 st	Theoretical discussion of Determination of pH of unknown buffer, spectrophotometrically
	2 nd	Determination of pH of unknown buffer, spectrophotometrically
	3 rd	Theoretical discussion of spectrophotometric determination of CMC
	4 th	spectrophotometric determination of CMC
June 2023	1 st	Determination of CMC from surface tension measurements
	2 nd	Revision of Unit-1&2
	3 rd	Revision of Unit-3&4