

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of Chemistry

Bankura Christian College

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

2nd Semester (GE) Practical (January,2023 to June, 2023)

Name of faculty member: Dr. Bibekananda Mahanti

Subject: Chemistry

GE P2: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements Lab.

Unit – 1.

Inorganic Chemistry

Qualitative semi-micro analysis of mixtures containing three radicals. Emphasis should be given to the understanding of the chemistry of different reactions.

Acid Radicals: Cl⁻, Br⁻, I⁻, NO₂⁻, NO₃⁻, S₂⁻, SO₄²⁻, PO₄³⁻, BO₃³⁻, H₃BO₃.Basic Radicals: Na⁺, K⁺, Ca²⁺, Sr²⁺, Ba²⁺, Cr³⁺, Mn²⁺, Fe³⁺, Ni²⁺, Cu²⁺, NH₄⁺**Unit – 2.**Basic Radicals: Na⁺, K⁺, Ca²⁺, Sr²⁺, Ba²⁺, Cr³⁺, Mn²⁺, Fe³⁺, Ni²⁺, Cu²⁺, NH₄⁺.**Unit – 3.**Basic Radicals: Na⁺, K⁺, Ca²⁺, Sr²⁺, Ba²⁺, Cr³⁺, Mn²⁺, Fe³⁺, Ni²⁺, Cu²⁺, NH₄⁺.**Unit – 4.**

Unknown Inorganic Samples

MONTH/YEAR	WEEK	PORTIONS
March 2023	2 nd	Inorganic Chemistry Qualitative semi-micro analysis of mixtures containing three radicals. Emphasis should be given to the understanding of the chemistry of different reactions. Acid Radicals: Cl ⁻ , Br ⁻ , I ⁻ ,
	3 rd	NO ₂ ⁻ , NO ₃ ⁻ , S ₂ ⁻ , SO ₄ ²⁻ ,
	4 th	PO ₄ ³⁻ , BO ₃ ³⁻ , H ₃ BO ₃ .
	5 th	Class Test-1/ Revision of Unt-1
April 2023	1 st	Basic Radicals: Na ⁺ , K ⁺ ,
	2 nd	, Ca ²⁺ , Sr ²⁺ , Ba ²⁺ ,
	3 rd	Cr ³⁺ , Mn ²⁺ ,
	4 th	Class Test-2
May 2023	1 st	Fe ³⁺
	2 nd	Ni ²⁺ , Cu ²⁺ , NH ₄ ⁺
	3 rd	Unknown Inorganic samples
	4 th	Unknown Inorganic samples
June 2023	1 st	Unknown Inorganic samples

	2 nd	Unknown Inorganic samples
	3 rd	Unknown Inorganic samples