



Discipline: CIVIL ENGG. & MECHANICAL ENGG.	Semester: 2 ND	Name of the Teaching Faculty: TUSHAR RANJAN MOHANTA & SWATILEENA SATPATHY
Subject: ENGG. PCHEMISTRY LAB	No. of Class allotted per week: 04	Semester From date: 29/03/2024 To Date: 14/05/2024 No. of Weeks: 15
WEEK	CLASS	PRACTICAL TOPICS
1 st	1 st	Introduction to Chemistry Lab, Safety Rules & Precautions
	2 nd	Preparation and study of physical and chemical properties of CO ₂ gas- Theory & Procedure discussion
	3 rd	Demo Practical
	4 th	Practical
2 nd	1 st	Practical
	2 nd	Submission of Record & Viva
	3 rd	Preparation and study of physical and chemical properties of NH ₃ gas- Theory & Procedure discussion
	4 th	Demo Practical
3 rd	1 st	Practical
	2 nd	Practical
	3 rd	Submission of Record & Viva
	4 th	Crystallization of Copper Sulphate from Copper Carbonate - Theory & Procedure discussion
4 th	1 st	Demo Practical
	2 nd	Practical
	3 rd	Practical
	4 th	Submission of Record & Viva
5 th	1 st	Simple Acid Base titration - Theory & Terminologies
	2 nd	Acidimetry - Theory, Procedure discussion & Demo Practical
	3 rd	Practical
	4 th	Practical
6 th	1 st	Submission of Record & Viva
	2 nd	Alkalimetry - Theory, Procedure discussion & Demo Practical

	3 rd	Practical
	4 th	Practical
7 th	1 st	Submission of Record & Viva
	2 nd	Radicals: - Acid & Base, Salt Analysis (Theory)
	3 rd	Test of known acid radicals: Procedure discussion & demo
	4 th	Practical
8 th	1 st	Practical
	2 nd	Submission of Record & Viva
	3 rd	Test of known basic radicals: Procedure discussion & demo
	4 th	Practical
9 th	1 st	Practical
	2 nd	Submission of Record & Viva
	3 rd	Test for unknown acid radicals - Demo
	4 th	Practical
10 th	1 st	Practical
	2 nd	Submission of Record & Viva
	3 rd	Test for unknown basic radicals - Demo
	4 th	Practical
11 th	1 st	Practical
	2 nd	Submission of Record & Viva
	3 rd	Test for Acid & basic radicals in salt Mixture - Demo
	4 th	Practical
12 th	1 st	Practical
	2 nd	Submission of Record & Viva
	3 rd	Practical (Preparation and study of physical and chemical properties of CO ₂ gas)
	4 th	Practical Preparation and study of physical and chemical properties of NH ₃ gas-
13 th	1 st	Practical Crystallization of Copper Sulphate from Copper Carbonate
	2 nd	Practical (Acidimetry)
	3 rd	Practical (Alkalimetry)

	4 th	Practical (Test for unknown acid radicals)
14th	1 st	Practical (Test for unknown basic radicals)
	2 nd	Practical (Test for Acid & basic radicals in salt Mixture)
	3 rd	Doubt Clearing & Practice
	4 th	Doubt Clearing & Practice
15th	1 st	Doubt Clearing & Practice
	2 nd	Doubt Clearing & Practice
	3 rd	Doubt Clearing & Practice
	4 th	Doubt Clearing & Practice


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