

Lesson Plan

Discipline: Electrical Engg. + Computer Science & Engg.+ E & T C Engg.	Semester: First (1 st)	Name of the Faculty: Mr. Rashmi Ranjan Guin / Mr. Durga Prasanna Pattanaik
Subject: Engg. Chemistry lab.	No. of days/week class allotted: Three (3)	Semester from Date: 16.08.2023 to Date : 11.12.2023 No. of Weeks: 15
WEEK	CLASS DAY	PRACTICAL EXPERIMENTS
1 st	1 st	To prepare Carbon dioxide (CO ₂) gas and study its Physical and Chemical properties.
	2 nd	
	3 rd	Review Class
2 nd	1 st	To prepare Ammonia (NH ₃) gas and study its Physical and Chemical properties
	2 nd	
	3 rd	Review Class
3 rd	1 st	To prepare Copper Sulphate (CuSO ₄) crystals from Copper carbonate.
	2 nd	
	3 rd	Review Class
4 th	1 st	Determination of the strength of supplied Acid using standard Alkali. (Acidimetry)
	2 nd	
	3 rd	Review Class
5 th	1 st	Determination of the strength of supplied Alkali using standard Acid. (Alkalimetry)
	2 nd	
	3 rd	Review Class
6 th	1 st	Test for Acid radicals (known).
	2 nd	
	3 rd	Review Class
7 th	1 st	Test for Base radicals (known).
	2 nd	
	3 rd	Review Class
8 th	1 st	Test for Unknown Acid radicals.
	2 nd	
	3 rd	Review Class
9 th	1 st	Test for Unknown Basic radicals.
	2 nd	
	3 rd	Review Class
	1 st	Test for Unknown Salt (Composed of one basic radical and

10 th	2 nd	one acid radical).
	3 rd	Review Class
11 th	1 st	Mock Practical Examination - 01
	2 nd	
	3 rd	
12 th	1 st	Mock Practical Examination - 02
	2 nd	
	3 rd	
13 th	1 st	Chemistry Project -01 Exothermic and Endothermic Reaction.
	2 nd	
	3 rd	Review Class
14 th	1 st	Chemistry Project -02 Colorful Fire
	2 nd	
	3 rd	Review Class
15 th	1 st	Chemistry Project -03 Bloodshed without Cutting
	2 nd	
	3 rd	Review Class