Discipline : **Electrical & Civil**	Semester : **2ND**	Name of the Teaching Faculty: **SUBHASHREE PRIYADARSHINI**
Subject: **ENGG CHEMISTRY LAB**	No. of days/per week class allotted: **04**	Semester From date : 28/04/21 To Date: 10/07/21 No. of Weeks: 15
Week	Class Day	Practical
1ST	1ST	Introduction
	2ND	Preparation and study of physical and chemical properties of CO_2 gas- introduction
	3RD	Theory
	4TH	Practical
2ND	1ST	Practical
	2ND	Record checking
	3RD	Introduction – Preparation and study of physical and chemical properties of NH_3 gas
	4TH	Theory
3RD	1ST	Practicals
	2ND	Practicals
	3RD	Practicals, doubt clearing
	4TH	Record checking
4TH	1ST	Introduction- Crystallization of Copper sulphate from copper carbonate.
	2ND	Theory
	3RD	Practicals
	4TH	Practicals
5TH	1ST	Practicals
	2ND	Record checking.
	3RD	Introduction – Simple acid base titration.
	4TH	Theory
6TH	1ST	Theory – Acidimetry
	2ND	Theory – Acidimetry
	3RD	Practicals
	4TH	Practicals
7TH	1ST	Record checking
	2ND	doubt clearing
	3RD	Theory – Alkalimetry
	4TH	Theory – Alkalimetry
8TH	1ST	Practicals
	2ND	Practicals
	3RD	Record checking
	4TH	doubt clearing
9TH	1ST	Introduction- test for acid radicals
	2ND	Introduction- test for acid radicals

	3RD	Test for carbonate, sulphate
	4TH	Test for chloride, nitrate
10TH	1ST	Test for sulphate,
	2ND	doubt clear
	3RD	. Record checking
	4TH	Record checking
11TH	1ST	Introduction – test for basic radicals
	2ND	Introduction – test for basic radicals
	3RD	Test for ammonium ,zinc,
	4TH	Test for magnesium, aluminium,
12TH	1ST	Test for calcium, sodium, potassium
	2ND	Doubt clear
	3RD	Record checking
	4TH	Record checking
13TH	1ST	Introduction- test for unknown acid radicals
	2ND	practical
	3RD	practical
	4TH	Practical, record checking
14TH	1ST	Introduction- test for unknown basic radicals
	2ND	practical
	3RD	practical
	4TH	Practical, record checking
15TH	1ST	Introduction- test for unknown salts
	2ND	practical
	3RD	practical
	4TH	Practical, record checking

Learning Resouces:

1. Practical intermediate chemistry By: Dr. Bichitrananda Nanda
2. Elemental Experimental chemistry by: Dr. Y R Sharma, A K Das, Kalyani Publisher.