

DISCIPLINE : Electrical, CSE & ETC	SEMESTER :1st	NAME OF THE TEACHING FACULTY :Soumya Ranjan Behera NAME OF THE LAB ASSISTANT :Asit kumar dehurj
SUBJECT : ENGG. CHEMISTRY LAB	NO. OF DAYS / PER WEEK CLASS ALLOTTED : 02	SEMESTER FROM DATE :16.08.2023 TO :11.12.2023 NO. OF WEEKS : 15
WEEK	CLASS DAY	PRACTICAL
1ST	1ST	Introduction of equipments used in Laboratory and diagram drawing , safety measures, writing of practical record etc.
	2ND	Preparation and study of Physical and Chemical properties of CO ₂ gas, Theory, Practical
2ND	1ST	Practical, record writing and checking, doubt clearing, viva voce
	2ND	Theory of Preparation and study of physical and chemical properties of NH ₃ gas, Practical
3RD	1ST	Practical, record writing and checking , doubt clearing, Viva Voce
	2ND	Introduction and theory of Crystallization (preparation of CuSO ₄ from CuCO ₃ , Practical
4TH	1ST	Practical, Record writing and checking, Viva Voce
	2ND	Introduction – Simple acid base titration (Acidimetry)theory, record writing.
5TH	1ST	Practical, record checking, viva voce,
	2ND	Theory – Alkalimetry , practical
6TH	1ST	Record writing and checking, doubt clearing, viva voce.
	2ND	Introduction test for Acid Radicals, Group reagents, Theory of Carbonate test
7TH	1ST	Practical, Record writing and checking, doubt clearing, viva voce.
	2ND	Test for Chloride , practical, Record writing and Checking, doubt clearing, viva voce.
8TH	1ST	Test for Nitrate, practical, Record writing and checking, viva voce, doubt clearing
	2ND	Test for Sulphate, Sulphide, Practical, Record writing and checking, doubt clearing, viva voce.
9TH	1ST	Introduction – test for unknown Acid Radical, Practical, record writing and checking
	2ND	Introduction- Test for Basic Radicals, test for Aluminium, theory
10TH	1ST	Practical, Record writing and checking, viva voce, doubt clearing
	2ND	Test for Magnesium, theory, practical, record writing and checking , viva voce
11TH	1ST	Test for Zinc, theory, practical, record writing and checking, viva voce.
	2ND	Test for Ammonium, theory , practical, record writing and checking, viva voce.

12 TH	1 ST	Test for Calcium, theory, Practical, record writing and checking, viva voce.
	2 ND	Test for Sodium, theory, practical, record writing and checking, viva voce.
13 TH	1 ST	Test for Potassium, theory, practical, record writing and checking, viva voce.
	2 ND	Introduction – test for unknown Basic Radicals, practical
14 TH	1 ST	Practical, record writing and checking
	2 ND	Introduction – test for unknown salt , practical
15 TH	1 ST	Practical, record writing and checking
	2 ND	Practice of unknown salt test and titration.

S. Behera