



LESSON PLAN

DEPARTMENT: MATHEMATICS AND SCIENCE

**BHUBANANANDA ORISSA SCHOOL OF ENGINEERING,
CUTTACK**

ACADEMIC SESSION:-2023-24

SEMESTER: - 1ST SEM WINTER

SUBJECT: -ENGINEERING CHEMISTRY

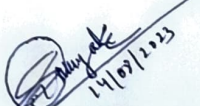
SECTION- J(Practical)

Sebhasmita Nayak.

Discipline: ETC&AEI	Semester: 1ST Semester	Name of the Teaching Faculty: MS. SUBHASHMITA NAYAK
Subject: Engineering Chemistry	No. of Days/ per week class allotted (FRI,SAT)	Semester From: - Date: _16.08.2023 to 11.12.2023 No of Weeks: - 16
Week	Class Dates	Experiments
1st	18.08.2023	General instruction for the laboratory and Safety precautions
2nd	19.08.2023	Discussion of common apparatuses used in laboratory
3rd	25.08.2023 26.08.2023	Discussion of common apparatuses used in laboratory Procedure for preparation and study physical and-chemical property of CO ₂ (Expt-1)
4th	01.09.2023	Demonstration (Expt-1)
5th	02.09.2023 08.09.2023	Students will do the experiment & Discussion of viva for the experiment (Expt-1) sessional
6th	09.09.2023	Discussion of procedure for preparation and study of physical and chemical properties of NH ₃ gas (Expt-2)
7th	15.09.2023 16.09.2023	Demonstration(Expt-2) sessional
8th	22.09.2023 23.09.2023	Students will do the experiment & Discussion of viva for the experiment (Expt-2) Procedure for crystallization of copper sulphate from copper carbonate (Expt-3)

9th	29.09.2023 30.09.2023 06.10.2023	Students will do the experiment & Discussion of viva for the experiment (Expt-3) Demonstration (Expt-3) sessional
10th	07.10.2023 13.10.2023	Discussion of procedure for measurement of strength of acid by titrating with standard solution of base (Acidimetry) (expt-4)
11th	14.10.2023	Demonstration(expt-4)
12th	20.10.2023 03.11.2023	Students will do the experiment & Discussion of viva for the experiment Discussion of procedure for measurement of strength of base by titrating with standard solution of acid Alkalimetry (expt-5)
13th	04.11.2023 10.11.2023	Students will do the experiment & Discussion of viva for the experiment Demonstration(expt-5)
14th	11.11.2023 17.11.2023 18.11.2023	Demonstration, Students will do the experiment & Discussion of viva for the experiment Discussion of Procedure for known acid radicals such as carbonate, sulphide, chloride, nitrate, sulphate (Expt-6)
15th	24.11.2023 01.12.2023	Demonstration (Expt-6) Students will do the experiment & Discussion of viva of experiment (Expt-6)
16th	08.12.2023 09.12.2023	Discussion of procedure for Known basic radicals such as Ammonium, Copper, Zinc, Magnesium, sodium, potassium (Expt-7) Demonstration of experiment (Expt-7)

REFERENCE BOOK:


Signature