

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



LESSON PLAN
Session-2022-2023

Discipline: Elect/CSE/ Mett. Engg. Semester: 2nd

Subject: Engg. Chemistry

Name of the Teaching Faculty: Dr. Seikh Abed Hussain

Subject: Engg. chemistry No. of Days/per week class allotted 03

Semester From Date: 20/3/23 To Date: 15/04/23 No. of Weeks: 04

Week	Class Day	Theory / Practical Topics
	1	Fundamental Particles: electron, proton, neutron
	2	Rutherford Atomic Model
	3	Atomic mass & number
	4	Isotopes, Isobars & Isotones
	5	Bhor's Atomic Model
	6	Bohr-Bury Scheme
	7	Aufbau's Principle, Hund's Rule
	8	Electronic configuration
	9	Electronic configuration
	10	Types of chemical bonds & their Def ⁿ
	11	Electrovalent bond with Ex- NaCl, MgCl ₂
	12	Covalent bond, Ex- H ₂ , Cl ₂ , O ₂ , N ₂

Seikh Ahsan Hussain
Signature of the Faculty

Subject: Engg. Chemistry . No. of Days/per week class allotted 03

Semester From Date: 16/04/23 To Date: 20/05/23 No. of Weeks: 07

Week	Class Day	Theory /Practical Topics
	13	Covalent bond; Ex - H_2O , CH_4 , NH_3
	14	Co-ordinate bond; Ex - NH_4^+ , SO_2
	15	Defination of Salts & its types
	16	Normal, Acidic Salts with Example
	17	Basic salt with Example
	18	Double Salts with Example
	19	Complex & Mixed salts with Example
	20	Atomic weight and its determination
	21	Molecular weight and its determination with example
	22	Equivalent weight def ⁿ and its determination
	23	Determination of Atomic weight, Molecular weight of acid, base & salts.
	24	Equivalent weight of Acid, Base & salts

Saeed Ahsed Hussain
Signature of the Faculty

Subject: Engg. Chemistry No. of Days/per week class allotted 03

Semester From Date: 21/05/23 To Date: 24/06/23 No. of Weeks: _____

Week	Class Day	Theory / Practical Topics
	25	Expression of Conc ⁿ : Normality with Example
	26	Expression of Conc ⁿ : Molarity with Example
	27	Expression of Conc ⁿ : Molality with Example
	28	Def ⁿ of pH, its numerical & application
	29	Electrolysis, strong & weak Electrolytes
	30	Faraday's 1st law of Electrolysis with Example
	31	Faraday's 2nd Law of Electrolysis with Example Electroplating
	32	Def ⁿ & Types of Corrosion
	33	Rusting & Protection
	34	Alloy, Galvanization
	35	Def ⁿ of Mineral, ore & gangue
	36	Dressing & Conc ⁿ of ore

Seikh Abdul Husam
Signature of the Faculty