LESSON PLAN				
Discipline / All Branches	Semester-2ND	Name of the teaching faculty:- Sri Kishan Kumar Agrawal		
Subject:- Engg. Chem	No. of days/per week- 04	Semester from date : 29.01.24 to 14.05.2024 No. of weeks :- 14		
Week	Class day	Theory		
	1st	Fundamental particles (electron, proton & neutron)		
1st	2nd	Isotopes, isobars and isotones		
100	3rd	Rutherford's & Bohr's Atomic model, Bohr-Bury scheme		
	4th	Aufbau's principle, Hund's rule, Electronic configuration		
	1st	Chemical Bonding : Definition		
2nd	2nd	Electrovalent, Covalent and Coordinate bond		
2110	3rd	Formation of different Compounds		
12 s	4th	Questions discussion with doubt clearing		
	1st	Theory for acid and base with examples		
3rd	2nd	Neutralization of acid & base		
Siu	3rd	Definition and Types of salts		
Ī	4th	Problem discussion		
	1st	Discussion on Atomic wt., Molecular wt., Equivalent wt.		
4th -	2nd	Molarity , Normality & Molality (with numericals)		
	3rd	pH of solution and simple numericals		
	4th	Importance of pH in industry		
5th -	1st	Definition and types of Electrolytes		
	2nd	Electrolysis (Principle & process) with example		
	3rd	Faraday's 1st and 2nd law of Electrolysis		
	4th	Industrial application of Electrolysis		

6th	1st	Definition and Types of Corrosion
	2nd	Mechanism of rusting of Iron
	3rd	Protection from Corrosion
	4th	Questions discussion with doubt clearing
	1st	Discussion on Ores And Minerals
	2nd	General methods of extraction of metal
7th	3rd	Calcinations and Roasting (Definition & examples)
	4th	Refining of the metal (Electro refining)
	1st	Definition and Types of alloys
8th	2nd	Composition and uses of Alloys
our	3rd	Questions discussion
	4th	Doubt clearing
	1st	Saturated and Unsaturated Hydrocarbons
9th	2nd	Aromatic Hydrocarbons (Huckle's rule)
901	3rd	IUPAC system of nomenclature
	4th	Uses of some common aromatic compounds
	1st	Sources of water, Soft water and Hard water
1046	2nd	Hardness, types of Hardness
10th -	3rd	Different process for Removal of hardness
	4th	Continue
	1st	Definition and Types of lubricant
11th	2nd	Specific uses of lubricants
11th -	3rd	Purpose of lubrication
	4th	Problem discussion
	1st	Definition and classification of fuel

12th	2nd	Calorific value of fuel
	3rd	Composition and uses of different Fuels
	4th	Elementary idea about LPG, CNG and coal gas
13th	1st	Definition of Polymer, Degree of polymerization
	2nd	Difference between Thermosetting and Thermoplastic
	3rd	Composition and uses of Polythene
	4th	Definition and Vulcanisation of Rubber, it's drawbacks
14th	1st	Chemicals in Agriculture (Examples and uses)
	2nd	Discussion Bio-Fertilizers
	3rd	Exercise problem discussion
	4th	Problem practice



		2023-24 (100
		LESSON PLAN
Discipline / All Branches	Semester-1st	Name of the teaching faculty:- Sri Kishan Kumar Agrawal
Subject:- Engg. Chem	No. of days/per week- 04	Semester from date : 16.08 23 to 11.12.2023 No. of weeks - 14 (excluding puja vacation)
Week	Class day	Theory
	1s1	Fundamental particles (electron, proton & neutron)
lst	Sua	Isotopes, isobars and isotopes
. 1.31	3rd	Rutherford's & Bohr's Atomic model, Bohr-Bury scheme
	411)	Aufbau's principle. Hund's rule, Electronic configuration
	1st	Chemical Bonding Definition
2na	2nd	Electrovalent, Covalent and Coordinate bond
	3rd	Formation of different Compounds
	4th	Questions discussion with doubt cleaning
	1st	Theory for acid and base with examples
3rd	2nd	Neutralization of acid & base
	3rd	Definition and Types of salts
	4th	Problem discussion
	1st	Discussion on Atomic wt., Molecular wt., Equivalent wt
4th	2nd	Molarity , Normality & Molality (with numericals)
	3rd	pH of solution and simple numericals
*	4th	Importance of pH in industry
	1st	Definition and types of Electrolytes
	2nd	Electrolysis (Principle & process) with example
5th	3rd	Faraday's 1st and 2nd law of Electrolysis
	4th	Industrial application of Electrolysis
	1st	Definition and Types of Corrosion
	2nd	Mechanism of rusting of Iron
6th	3rd	Protection from Corrosion
	4th	Questions discussion with doubt clearing
1997 29 - Her Held Handa Handa Handa Hall hall hall	1st	Discussion on Ores And Minerals
	2nd	General methods of extraction of metal

Calcinations and Roasting (Definition & examples)

Refining of the metal (Electro refining)

Definition and Types of alloys

Composition and uses of Alloys

Questions discussion

Doubt cleaning

3rd

4th

1st

2nd

3rd

4th

7th

811

	water and the same of the same	
9th	1st	Saturated and Unsaturated Hydrocarbons
	2nd	Aromatic Hydrocarbons (Huckle's rule)
	3rd	IUPAC system of nomenclature
	4th	Uses of some common aromatic compounds
	1st	Sources of water, Soft water and Hard water
10th	2nd	Hardness, types of Hardness
, , , ,	3rd	Different process for Removal of hardness
	4th	Continue
	1st	Definition and Types of lubricant
1105	2nd	Specific uses of lubricants
1 1171	3rd	Purpose of lubrication
	4th	Problem discussion
	1st	Definition and classification of fuel
12th	2nd	Calorific value of fuel
12th	3rd	Composition and uses of different Fuels
	4th	Elementary idea about LPG, CNG and coal gas
	1st	Definition of Polymer, Degree of polymerization
1216	2nd	Difference between Thermosetting and Thermoplastic
13th	3rd	Composition and uses of Polythene
	4th	Definition and Vulcanisation of Rubber, it's drawbacks
	1st	Chemicals in Agriculture (Examples and uses)
14th	2nd	Discussion Bio-Fertilizers
	3rd	Exercise problem discussion
	4th	Problem practice

