LESSON PLAN

DISCIPLINE: MATH AND SCIENCE	NE:	SEMESTER: SECOND	NAME OF THE TEACHING FACULTIES:
SUBJECT: ENGG. CHEMISTRY	NO. OF. DAYS PER WEEK CLASS ALLOTED		SEMESTER: FROM 20/03/2023 TO 27/06/2023
WEEK	CLASS DAY		THEORY
	→ \$1	-Introduction,	-Introduction, Matter and its states.
	≥ 8	-Atomic struct particles (elec	-Atomic structure: fundamental particles (electron, proton and neutron), their properties.
→st	၁ ့	-Atomic number definition, exam -Definitions of	-Atomic number and mass no. , definition, examples and properties of isotopes, isotones and isobars -Definitions of atomic weight, mol. Weight, equivalent weight.
	4 ^π	-Rutherford's atomic modelEquivalent weight of acid, b -concept of arrhenius theory	-Rutherford's atomic modelEquivalent weight of acid, bases and saltsconcept of arrhenius theory with examples.
	→ ST	-Bohr's atomic model -Molarity and Normal -Lowry Bronsted thec	-Bohr's atomic model -Molarity and Normality with numericalsLowry Bronsted theory with examples.
9 nd	N _∞	Bohr and Bury Scheme -Molality with examples -LEWIS theory for Acid	Bohr and Bury Scheme and AUFBAU'S PrincipleMolality with examples -LEWIS theory for Acid and Base with examples.
ı	3, ಕೆ	-Hund's rule with examples -Importance of ph in industralization.	-Hund's rule with examplesImportance of ph in industryNeutralization.
	4,17	-Electronic configuration -Ph of solutions with num	-Electronic configurationPh of solutions with numerical.

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-Rusting of iron and water line corrosionHardness, types of hardness.	-Corrosion and its typesWater treatment: sources of water,hard and soft water.	-Note checking and numericals.	-Class note correction.	-Electroplating (zinc plating).	-Faraday's laws of electrolysisNumericals on faraday's laws.	Electrolysis of molten NACL and Aqueous NACLNumericals.	-Electrolysis(principle) -Numericals.	-Electrochemistry: definition of electrolytes, their types, non electrolytes with examplesNumericals.	-Coordinate bond:definition with examplesNumericals.	-Covalent bond: definition with examplesComplex and Mixed salts with examples.	-lonic bond:definition,examplesBasic and Double salts with examples.	-Chemical bonding, definition, cause of bonding -Normal and Acidic salts with examples.	-Numericals.	-Correction of class note -clearing of doubts.	-Numericals		

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-Definition of monomer, homo- nolvmer co-nolvmer	-Polymers.	-Numericals and class note correction.	-Revision.	-Froth floatation and Leaching methods of ore concentrationClass note checking and discussion of questions .	Magnetic separation of ore concentration. -LPG, CNG and Coal gas.	-Gravity separation and	-Metallurgical operationsProducer gas and water gas.	diesel, petrol and kerosene.	-wetallurgy: minerals, ores with examples.		-Difference between aliphatic and aromatic hydrocarbons, uses of common aromatic compoundsFuel: definition, classification.	-Aromatic hydrocarbons and Huckel's ruleNumericals.	-Revision.	-Rules for writing the structural formula from IUPAC names, bond line notationPurpose of lubrication.	-Rules for IUPAC system of nomenclature for alkenes and alkynesLubricants: definition and types, uses.	-Organic ion exchange method.	-Rules for iupac system of nomenclature for alkanes, alcohols, alkyl halides.	-Hydrocarbons: definitions,general formula, examplesAdvantages of hot lime over cold lime process.	-Protection from corrosion by alloying and galvanisation. -Removal of hardness by lime soda method.

Signature of faculty

Signature of HOD