

Govt. College, Safidon (Jind)-126112

Session: 2022-2023 (Even Semester)

Lesson Plan

Name of Teacher: Ms. ANJU

B.Sc. IInd

Subject: Inorg. + Phy. Chemistry
[CHEMISTRY]

Paper Name

Sr.No.	Months	Topic
1	February	Thermodynamics II
2		Class Test
3		Thermodynamics III
4	March	Class Test
5		Lanthanides
6		Class test
7		Assignment I
8		
9	April	Actinides
10		Class Test
11		Electrochemistry
12		Assignment II
13		Class test
14	May	Theory of Qualitative & Quantitative
15		Inorganic analysis
16		Revision
17		
18		

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Lesson Plan

Name of Teacher: Mrs. ANJU

B.Sc. IIIrd

Paper Name PH-305

Subject: Physical Chemistry
[CHEMISTRY]

Sr.No.	Months	Topic
1	February	Introduction to Statistical Mechanics, Maxwell-Boltzmann Distribution
2		
3		
4	March	statics, Partition function, Factorization of partition function.
5		
6		Class test
7		Photochemistry
8		Laws of Photochemistry, Jablonski diagram, Quantum yield, Photo-sensitized Reactions.
9	April	
10		Class test
11		Assignment
12		Solutions, Dilute solutions and colligative properties - Ideal & Non ideal solutions, Colligative properties
13		
14	May	Phase Equilibrium
15		
16		Phase equilibria of one component system & 2 component system, desilverisation of lead. Revision
17		
18		

ANJU

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Lesson Plan

Name of Teacher:- Seema Kaur

B.Sc:- B.Sc-IInd (IV Sem)

Subject:- Chemistry

Paper Name:- Organic Chemistry

Sr.No.	Months	Topic
1	February	Diazonium salts, Preparation,
2		Replacement by H, OH, F, Cl, Br, I
3		NO ₂ , CN, Synthetic application.
4	April March	Amines, structure, physical
5		chemical properties, Preparation,
6		Electrophilic aromatic substitution in
7		aryl amine, Assignment - I
8		(class Test -)
9	May April	Amines, Infrared Absorption
10		spectroscopy, molecular vibrations
11		Hooke's law, selection rules,
12		fingerprint region, characteristic
13		absorptions of various functional gr.
14	June May	Aldehydes and Ketones, synthesis
15		of aldehyde & ketones, mechanism
16		of nucleophilic addition to carbonyl
17		gr with benzoin, aldol, Perkin
18		and Knoevenagel condensation Assignment - II

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Lesson Plan

B.Sc:- B.Sc-Ist (IInd Sem)

Name of Teacher:- Seema Rani

Subject:- Chemistry

Paper Name:- Inorganic chemistry & physical chemistry.

Sr.No.	Months	Topic
1	February	Kinetics, Rate of Reaction, factors,
2		order of reaction, zero, first, second,
3		third order kx^n Arrhenius eq ⁿ
4	April March	Transition state theory,
5		Electrochemistry, factor, specific
6		conductance, molar conductance, Arrhenius
7		theory of ionization, pH, pKa, Buffer
8		action, Assignment - I
9	May April	Hydrogen bonding and van der Waals
10		forces, metallic bond and semiconductor
11		s-Block elements, chemistry of
12		noble gases,
13		p-Block elements Assignment - II
14	June May	Boron family, carbon family
15		nitrogen family, oxygen family
16		halogen family, oxoacids,
17		interhalogen compounds, cationic
18		nature of Iodine.