

Academic Calendar

Department of Chemistry

Name of the teacher - Rajeshwari Jaiswal

Session - 2020-23

Sem - VI

<u>Months</u>	<u>Lesson Plan</u>	<u>Status</u>
<u>June 2023</u>	C-13 Theoretical principles in qualitative analysis (H2S Scheme)	Completed
	C-14 Organic Spectroscopy	
	DSE-3 Introduction to green chemistry	
	DSE-4 Industrial gases and inorganic chemicals	
	C-13 & C-14 Practical <u>Mid Sem Exam</u>	
<u>July 2023</u>	C-13 Organometallic compounds	Completed
	C-14 Carbohydrates and Dyes	
	DSE-3 Principles of green chemistry and designing a chemical synthesis	
	DSE-4 Industrial metallurgy	
	DSE-3 & 4 Practical	

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Department of Chemistry  
Session - 2020-23      Sem - VI

Months

Lesson Plan

Status

August  
2023

C-13 Reaction Kinetics and  
mechanism &  
Catalysis by organometallic  
compounds  
C-14 Polymers

Completed

DSE-3 Examples of green  
Synthesis / reactions  
Future trends in green  
chemistry

DSE-4 Environment & its segment  
Energy & environment  
Biocatalysis

Session - 2021-24      Sem VI

November  
2023

C-11 Nucleic acids  
Amino acids.

C-12 Quantum chemistry

Completed

DSE-1 Qualitative and quantitative  
aspects of analysis

DSE-2 Introduction & history of  
Polymeric materials

C-11 & 12 Practicals

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Department of Chemistry  
Session - 2021-24      Sem - II

<u>Months</u>	<u>Lesson Plan</u>	<u>Status</u>
<u>December</u> <u>2023</u>	C-11 Peptides & proteins	Completed
	C-12 Molecular spectroscopy	
	DSE-1 Optical methods of analysis, Separation techniques.	
	DSE-2 Functionality & its importance	
	<u>Mid Sem Exam</u>	
<u>January</u> <u>2024</u>	C-11 Enzymes, pharmaceutical compounds.	Completed
	C-12 Photochemistry	
	DSE-1 Thermal methods of analysis	
	DSE-2 Kinetics of polymerization	
	DSE-1 & 2 Practicals.	
<u>February</u> <u>2024</u>	C-11 Lipids, Concept of energy in biosystem	Completed
	C-12 Quantum chemistry	
	DSE-1 Electroanalytical methods	
	DSE-2 Crystallization & crystallinity	

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Department of Chemistry

Session - 2021-24

Sem-VI

Months

Lesson Plan

Status

March  
2024

C-13 Theoretical principles in  
qualitative analysis (H<sub>2</sub>S  
Scheme)

C-14 Organic spectroscopy

Completed

DSE-3 Introduction to green  
chemistry

DSE-4 Industrial gases and  
inorganic chemicals

C-13 & 14 Practicals

C-13 Organometallic compounds

C-14 Carbohydrates & dyes

Completed

DSE-3 Principles of green chemistry  
& designing of chemical synthesis

DSE-4 Industrial metallurgy

Mid Sem Exam

C-13 Reaction kinetics & mechanism  
and catalysis by organometallic  
compounds

C-14  
Polymers

Completed

DSE-3 Examples of green synthesis/  
reactions

DSE-4 Environment & its segment

DSE-3 & 4 Practicals

Department of Chemistry  
Session - 2021-24      Sem - VI

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<u>Months</u>	<u>Lesson Plan</u>	<u>Status</u>
<u>June</u> <u>2024</u>	C-13 Catalysis by organometallic compounds	
	C-14 Polymers	Completed
	DSE-3 Future trends in green chemistry	
	DSE-4 Environment biocatalysis	
<u>July</u> <u>2024</u>	DSE-4 Environment biocatalysis	Completed

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Session 2022-26      Sem - III

<u>October</u> <u>2023</u>	MJ-4 Behaviour of real gases	
	MJ-5 Measuring physical parameters (Prac)	Completed
<u>November</u> <u>2023</u>	MJ-4 Liquid state	
	MJ-5 Gravimetric analysis (Prac)	Completed

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Department of Chemistry  
Session - 2022-26 , Sem-III

Months

Lesson Plan

Status

December  
2023

MJ-4 Solid state

Completed

MJ-5 Ionic equilibria  
(Prac)

Mid Sem Exam

January  
2024

MJ-4 Equilibria-I

Completed

MJ-5 pH measurements  
(Prac)

February  
2024

MJ-4 Equilibria-I

Completed

MJ-5 Viscosity measurements  
(Prac)

Session - 2022-26 , Sem-IV

March  
2024

MJ-6 Chemistry of halogenated hydrocarbons

Completed

MJ-7 Chemistry of s & p block elements

MJ-8 Organic chemistry  
(Prac)

Department of Chemistry  
Session - 2022-26, Sem-IV

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Months

Lesson Plan

Status

<u>Months</u>	<u>Lesson Plan</u>	<u>Status</u>
<u>April</u> <u>2024</u>	MJ-6 Alcohols, phenols, ethers and epoxides	
	MJ-7 Noble gases	Completed
	MJ-8 Organic preparations (prac)	

Mid Sem Exam

<u>May</u> <u>2024</u>	MJ-6 Carbonyl compounds & sulphur containing compounds & N-containing functional groups	Completed
	MJ-7 Transition elements	
	MJ-8 Spot analysis (prac)	
<u>June</u> <u>2024</u>	MJ-6 Carboxylic acids & their derivatives	
	MJ-7 Coordination chemistry	Completed
	MJ-8 Qualitative semi micro analysis (prac)	
<u>July</u> <u>2024</u>	MJ-6 Chemistry of active methylene groups	
	MJ-7 Lanthanides & Actinides	Completed
	MJ-8 Semi micro analysis (prac)	

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Department of Chemistry  
Session - 2023-27 , Sem-I

Lesson Plan

Status

Months  
September  
2023

MJ-1 Atomic structure

Completed

SEC-1 Energy resources & fuel

October  
2023

MJ-1 Periodicity of elements

Completed

SEC-1 Petroleum & petrochemical industry, petrochemicals, lubricants

November  
2023

MJ-1 Chemical Bonding

Completed

SEC-1 Pharmaceuticals & drugs

December  
2023

MJ-1 Covalent bond

Completed

SEC-1 Synthesis of the representative drugs.

Mid Sem Exam



Department of Chemistry  
Session - 2023-27, Sem-I

months

Lesson Plan

Status

January  
2024

MJ-1 Metallic bond

Completed

SEC-1 Analgesics agents

February  
2024

MJ-1 Oxidation reduction &  
general principles of  
metallurgy

Completed

SEC-1 Fermentation

Session 2023-27, Sem-II

March  
2024

MJ-2 Basics of organic chemistry

Completed

MJ-3 Acquaintance with chemistry  
(Prac) laboratory

SEC-2 Introduction to green  
chemistry

April  
2024

MJ-2 Stereochemistry

Completed

MJ-3 Common procedures  
(Prac)

SEC-2 Principles of green chemistry

Mid Sem Exam

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Department of Chemistry  
Session - 2023-27, Sem-II

<u>Months</u>		<u>Lesson Plan</u>	<u>Status</u>
<u>May</u> <u>2024</u>	MJ-2	Alkanes, alkenes & alkynes	
	MJ-3 (prac)	Volumetric analysis	Completed
	SEC-2	Designing a chemical Synthesis	
<u>June</u> <u>2024</u>	MJ-2	Aromatic hydrocarbons	
	MJ-3 (prac)	Acid-base titrations	Completed
	SEC-2	Examples of green synthesis/ reactions	
<u>July</u> <u>2024</u>	MJ-2	Polynuclear hydrocarbons	
	MJ-3 (prac)	Oxidation-reduction titrations	Completed
	SEC-2	Future trends in green chemistry	