



MAHARAJA AGARSAIN PUBLIC SCHOOL

a Cambridge International School

Ashok Vihar, Delhi

CLASS - 11

SUBJECT-Chemistry

SESSION: 2023-24

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT/PRACTICAL/ ENGLISH/ CONVERSATION/ VISUAL STIMULUS	LEARNING OUTCOMES	RESOURCES	SDG
PT1 (15-20%) TERM1 (35-40%)	Chapter 1: Some Basic Concepts of Chemistry	DATE: 26/5/23 Chapter 1: Some Basic Concepts of Chemistry Chapter 2: Structure of Atom	Ph determination,	The students will be able to state the properties of matter calculate the empirical and molecular formula from percentage composition Add ,subtract and round off to the given significant figure	https://www.youtube.com/watch?v=8o0ew1kK1pc	Quality Education

	Chapter 2: Structure of Atom		crystallization	<p>Relate different phenomenon to the wave or particle nature of matter</p> <p>Solve numericals based on Photoelectric effect and Planck's quantum theory</p> <p>Explain the concept of Heisenberg's uncertainty principle</p> <p>List all the properties of quantum numbers</p>	<p>https://www.youtube.com/watch?v=YtVBoH1VEXc</p> <p>https://www.youtube.com/watch?v=xla65Qtrac</p>	Quality Education
	Chapter 3: Classification of Elements and Periodicity in Properties		Salt analysis (Anions)	<p>Write the nomenclature of elements above 100</p> <p>List all the properties of four blocks like s,p,d,f</p> <p>Calculate block,group and</p>	https://www.slideshare.net/deepikajonnes/classification-of-elements-and-periodicity-in-properties-classes-11th-chapter-3-ncert	Responsible consumption and production

				<p>period of any atomic no.</p> <p>Explain the trends in atomic radius</p> <p>List all the factors of ionization enthalpy</p>		
		<p>DATE: 5/7/23</p> <p>Chapter 1: Some Basic Concepts of Chemistry</p> <p>Chapter 2: Structure of Atom</p> <p>Chapter 3: Classification of Elements and Periodicity in Properties</p>				<p>Industry innovation and infrastructure</p>
<p>PT2 (JULY-AUG)</p>	<p>Chapter 4: Chemical Bonding and Molecular Structure</p>	<p>DATE: 21/8/23</p> <p>Chapter 4: Chemical Bonding and Molecular Structure</p>	<p>Salt analysis (Anions)</p>	<p>draw Lewis dot structures of compounds and ions</p> <p>calculate the formal charge of given</p>	<p>https://www.slideshare.net/deepikajones/chemical-bonding-and-molecular-structure-grade-11</p>	<p>Good health and well being</p>

		Chapter 5: Thermodynamics		<p>element in the compound</p> <p>Determine the shape and bond angle of the compound with regular geometry</p>		
	<p>Chapter 5: Thermodynamics</p> <p>Chapter 6: Equilibrium</p>			<p>state different types of systems and processes</p> <p>differentiate between different types of system</p> <p>List different types of enthalpies</p>	<p>https://www.youtube.com/watch?v=FdpzVd-yWMM</p> <p>https://www.youtube.com/watch?v=wHi6kgA0-s</p>	Good health and well being
<p>HALF YEARLY (SEP)</p> <p>(60-70%)</p>		<p>Chapter 1: Some Basic Concepts of Chemistry</p> <p>Chapter 2: Structure of Atom</p> <p>Chapter 3: Classification of Elements and</p>	<p>Half Yearly Exam</p> <p>Ph determination</p> <p>crystallization</p> <p>Salt analysis (Anions)</p>			Industry innovation and infrastructure

		<p>Periodicity in Properties</p> <p>Chapter 4: Chemical Bonding and Molecular Structure</p> <p>Chapter 5: Thermodynamics</p> <p>Chapter 6: Equilibrium</p>				
<p>PT3 (NOV-DEC)</p>	<p>Chapter 7: Redox Reactions</p> <p>Chapter 8: Organic Chemistry – Some Basic Principles and Techniques</p>	<p>DATE: 18/12/23</p> <p>Chapter 7: Redox Reactions</p> <p>Chapter 8: Organic Chemistry – Some Basic Principles and Techniques</p>	<p>Salt analysis (Cations)</p>	<p>state and explain different types of physical equilibrium and their properties</p> <p>calculate numericals related law of mass action</p> <p>Drive the relationship between Kp and Kc</p> <p>identify and classify redox reactions</p>	<p>https://www.youtube.com/watch?v=JvdiZipzias</p> <p>https://www.youtube.com/watch?v=NgzFok_BA_0</p>	<p>Reduced inequalities</p>

	Chapter 9: Hydrocarbons		Salt Analysis (Cation and anion both) Titration	<p>Draw the different structural representations of organic compounds</p> <p>Write their IUPAC names</p> <p>Identify the type of isomerism shown in different compounds</p>	<p>https://www.youtube.com/watch?v=Sfm3eHe57PU&t=2s https://www.youtube.com/watch?v=zlUcMVe1yPs.</p> <p>https://www.youtube.com/watch?v=AQmZrC7Mgs8</p>	Affordable and clean energy
PRE FINAL	100% SYLLABUS WILL BE REVISED	100% SYLLABUS COVERED TILL DATE WILL BE ASSESSED				
FINAL TERM (FEB)	100% SYLLABUS WILL BE REVISED	100% SYLLABUS COVERED TILL DATE WILL BE ASSESSED	Final practical Exam			

