



**INDIAN SCHOOL MUSCAT**  
**SENIOR SECTION**  
**DEPARTMENT OF CHEMISTRY**  
**CLASS XII**  
**YEAR PLAN 2020-2021 (REVISED)**

Subject (Code: 043 )

UNIT No.	Unit	Marks
1.	The Solid state	<b>23</b>
2.	Solutions	
3.	Electrochemistry	
4.	Chemical Kinetics	
5.	Surface Chemistry	
6.	p -Block Elements	<b>19</b>
7.	d -and f -Block Elements	
8.	Coordination Compounds	
9.	Haloalkenes and Haloarenes	<b>28</b>
10.	Alcohols, Phenols and Ethers	
11.	Aldehydes, Ketones and Carboxylic Acids	
12.	Amines	
13.	Biomolecules	<b>70</b>
	<b>TOTAL</b>	

MONT H	UNIT	No of Periods	Deleted Portions
March 2020	• Halo alkanes and Haloarenes	<b>8</b>	
April 2020	• Halo alkanes and Haloarenes(CONTD)	<b>6</b>	➤ <b>Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.</b>
	• Alcohols, Phenols and Ethers	<b>12</b>	➤ <b>uses with special reference to methanol and ethanol.</b>
	• Surface chemistry	<b>4</b>	➤ <b>Emulsion - types of emulsions,</b> ➤ <b>Catalysis: homogenous and heterogeneous,</b> ➤ <b>Activity and selectivity of solid catalysts;</b> ➤ <b>Enzyme catalysis</b>
May 2020	• Surface chemistry(CONTD)	<b>6</b>	➤ <b>Polymers</b> ➤ <b>Chemistry in everyday life</b>

			{Entire chapter is deleted}
	• Solutions	3	
June 2020	• Solutions(CONTD)	14	➤ Abnormal molecular mass, ➤ Van't Hoff factor
	• Electrochemistry	6	
July 2020	• Electrochemistry(CONTD)	5	➤ Lead accumulator, ➤ fuel cells, ➤ corrosion, ➤ law of electrolysis (elementary idea), ➤ dry cell- electrolytic cells and Galvanic cells,
	• Chemical kinetics	10	➤ Concept of collision theory (elementary idea, no mathematical treatment), ➤ Activation energy, Arrhenius equation.
	• The p-block elements	5	
August 2020	• The p-block elements(CONTD)	5	➤ Preparation and properties of Phosphine, ➤ Sulphuric Acid: industrial process of manufacture, ➤ Oxides of Nitrogen(Structure only); ➤ Phosphorus - allotropic forms, compounds of Phosphorus: ➤ Preparation and properties of Halides and Oxo acids (elementary idea only).
	• Aldehydes, Ketones and acids	12	-----
September 2020	• Biomolecules	5	➤ Oligosaccharides (sucrose, lactose, maltose), ➤ polysaccharides(starch, cellulose, glycogen) ➤ importance of carbohydrates. ➤ Vitamins– classification and functions. ➤ Enzymes. Hormones - Elementary idea excluding structure
	• Amines	5	➤ Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry
	<b>REVISION FOR FIRST TERM EXAMINATION FIRST TERM EXAMINATION</b>		
October 2020	• d & f block elements	5	➤ Chemical reactivity of lanthanoids, Actinoids – ➤ Electronic configuration, oxidation states and comparison with lanthanoids.

			➤ <b>Preparation and properties of <math>\text{KMnO}_4</math> and <math>\text{K}_2\text{Cr}_2\text{O}_7</math></b>
	• Coordination Compounds	<b>7</b>	➤ <b>Structure and stereoisomerism,</b>  ➤ <b>importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).</b>
	• The Solid state	<b>8</b>	➤ <b>Electrical and magnetic properties.</b> ➤ <b>Band theory of metals, conductors, semiconductors and insulators</b> ➤ <b>n and p type semi conductors.</b>
	• Revision		
November 2020	<b>FINAL TERM EXAMINATION- Nov 2020</b> Revision	<b>7</b>	
December 2020	<b>Winter Vacation</b>		
January 2021	<b>AISSCE PRACTICAL EXAMINATION-18<sup>th</sup> JAN - 2021</b> <b>PRE-BOARD EXAMINATION-1, 3<sup>rd</sup> JAN-2021</b>	<b>8</b>	
February 2021	Pre-Board examination-2, 1 <sup>st</sup> Feb-2021		

\*\*\*\*\*