

Pakistan School System- Oman
Syllabus / SLOs Coverage plan (2022-23)

Grade:	IX			Subject:	Chemistry		
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		April - 2022.					
1	5	3 to 7	Fundamental of Chemistry	.April-3	Introduction	3%	
				.April-4	1.1 Branches of Chemistry		
				.April-5	Physical Chemistry, Organic Chemistry, Inorganic Chemistry,		
				.April-6	Biochemistry, Industrial Chemistry, Nuclear Chemistry,		
				.April-7	Environmental Chemistry, Analytical Chemistry		
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		April - 2022.					
2	5	10 to 14	Fundamental of Chemistry	.April-10	1.2 Basic Definitions	8%	
				.April-11	1.2.1 Elements, Compounds and Mixtures		
				.April-12	1.2.2 Atomic Number, Mass Number		
				.April-13	1.2.3 Relative Atomic Mass and Atomic Mass Unit		
				.April-14	1.2.4 Empirical Formula, Molecular Formula		
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		April - 2022.					
3	5	17 to 21	Fundamental of Chemistry	.April- 17	1.2.5 Molecular Mass and Formula Mass	12%	
				.April- 18	1.3 Chemical Species		
				.April- 19	1.3.1 Ions (Cations, Anions), Molecular Ions and Free Radicals.		
				.April- 20	1.3.2 Types of Molecules (Monatomic, Polyatomic, Homoatomic, Heteroatomic)		
				.April- 21	1.4.1 Avogadro’s Number and Mole		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
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#		April - 2022.					
4	5	24 to 28	Fundamental of Chemistry	.April- 24	1.4.2 Mole	17%	
				.April- 25	1.4.3 Gram Atomic Mass, Gram Molecular and Gram Formula Mass		
				.April- 26	1.5 Chemical Calculations		
				.April- 27	1.5.1 Mole-Mass Calculations		
				.April- 28	1.5.2 Mole-Particle Calculations		
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		May - 2022.					
5	2	01 to 5	Structure of Atoms	.May-1	Introduction	18%	
				.May-2	2.1 Theories and Experiments Related To Atomic Structure		
				.May-3	Eidul Fitr- Holidays		
				.May-4			
				.May-5			
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		May - 2022.					
6	5	8 to 12	Structure of Atoms	.May - 8	2.1.1 Rutherford's Atomic Model (Experiment and Postulates)	22%	
				.May - 9	2.1.2 Bohr's Atomic Theory (Postulates)		
				.May - 10	2.1.2 Bohr's Atomic Theory (Postulates)		
				.May - 11	2.2 Electronic Configuration		
				.May - 12	2.2.1 Concepts of S and P Sub-Shells		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		May - 2022.					
7	5	15 to 19		.May- 15	2.2.2 Electronic Configurations of First 18 Elements		
				.May- 16	2.3 Isotopes 2.3.1 Definition		

		Structure of Atoms	.May- 17	2.3.2 Examples (H, C, Cl, U)	25%	
			.May- 18	2.3.3 Uses		
			.May- 19	2.3.3 Uses		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review	
#		May - 2022.						
8	5	22 to 26	Periodic Table and Periodicity of Properties	.May- 22	Introduction	29%		
				.May- 23	3.1 Periodic Table			
				.May- 24	3.1.1 Periods			
				.May- 25	3.1.1 Periods			
				.May- 26	3.1.2 Groups			

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review	
#		May/ June - 2022						
9	5	29 to 2	Periodic Table and Periodicity of Properties	.May-29	3.1.2 Groups	32%		
				.May-30	3.2 Periodicity of Properties			
				.May-31	3.2.1 Atomic Size			
				.June-1	3.2.2 Ionization Energy			
				.June-2	3.2.2 Ionization Energy			

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review	
#		June - 2022.						
10	5	5 to 9	Periodic Table and Periodicity of Properties	.June-5	3.2.3 Electron Affinity	35%		
				.June-6	3.2.4 Shielding Effect			
				.June-7	3.2.5 Electronegativity			
				.June-8	3.2.5 Electronegativity			
				.June-9	Revision			

Summer Vacation

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		August - 2022.					
11	3	2 to 4	Structure of Molecules	.August-2	Introduction	36%	
		.August-3		Why do Atoms Form Chemical Bonds?			
		.August-4		Chemical Bonds			
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		August - 2022.					
12	4	7 to 11	Structure of Molecules	.August-7	Ashoorra -Holiday		
		.August-8		4.3.1 Ionic Bonds	40%		
		.August-9		4.3.2 Covalent Bonds			
		.August-10		4.3.3 Dative Covalent Bonds			
		.August-11		4.3.4 Polar and Non-Polar Bonds			
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		August - 2022.					
13	4	14 to 18	Structure of Molecules	.August-14	Independence day - Holiday		
		.August-15		4.3.5 Metallic Bonds	44%		
		.August-16		4.4 Intermolecular Forces			
		.August-17		4.4.1 Dipole-Dipole Interactions			
		.August-18		4.4.2 Hydrogen Bonding			

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		Nov:- 2022.					
26	5	13 to 17	Electrochemistry	.Nov: -13	Electrochemical Industries	82%	
		.Nov: -14		7.6.1 Manufacture of Sodium Metal from Fused NaCl			
		.Nov: -15		7.6.2 Manufacture of NaOH from Brine and its properties			
		.Nov: -16		Corrosion and Its Prevention			
		.Nov: -17		7.7.1 Rusting of Iron			
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		Nov:- 2022.					
27	5	20 to 24	Electrochemistry	.Nov:- 20	7.7.2 Electroplating of Tin, Zinc, Silver and Chromium on Steel	85%	
		.Nov:- 21		Revision			
		.Nov:- 22		Revision			
		.Nov:- 23		Revision			
		.Nov:- 24		Revision			
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		Nov / Dec:- 2022.					
28	Nil	27 to 1		.Nov:- 27	Oman National Day- Holidays		
		.Nov:- 28					
Sendup Examination - From November 29, 2022 to December 15, 2022							

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		Dec: - 2022.					
29	5	18 to 22	Chemical Reactivity	.Dec: -18	Introduction	90%	
				.Dec: -19	Metals		
				.Dec: -20	Metals		
				.Dec: -21	8.1.1 Electropositive Character		
				.Dec: -22	8.1.1 Electropositive Character		
Winter Vacation from December 22 to January 5, 2023							
Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		January- 2023.					
30	5	8 to 12	Chemical Reactivity	.Jan:- 8	8.1.2 Comparison of Reactivity of Alkali and Alkaline Earth Metals	95%	
				.Jan:- 9	8.1.2 Comparison of Reactivity of Alkali and Alkaline Earth Metals		
				.Jan:- 10	8.1.3 Inertness of Noble Metals		
				.Jan:- 11	8.2 Non- Metals		
				.Jan:- 12	8.2 Non- Metals		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		February-2023.					
34	5	5 to 9		.Feb:- 5	Revision / Test Series		
				.Feb:- 6	Revision / Test Series		
				.Feb:- 7	Revision / Test Series		
				.Feb:- 8	Revision / Test Series		
				.Feb:- 9	Revision / Test Series		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		February-2023.					
35	5	12 to 16		.Feb:- 12	Revision / Test Series		
				.Feb:- 13	Revision / Test Series		
				.Feb:- 14	Revision / Test Series		
				.Feb:- 15	Revision / Test Series		
				.Feb:- 16	Revision / Test Series		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		February-2023.					
36	3	19 to 23		.Feb:- 19	Revision / Test Series		
				.Feb:- 20	Revision / Test Series		
				.Feb:- 21	Revision / Test Series		
				.Feb:- 22	Revision / Test Series		
				.Feb:- 23	Revision / Test Series		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		Feb/ Mar: - 2023.					
37	5	26 to 2		.Feb:- 26	Revision / Test Series		
		.Feb:- 27		Revision / Test Series			
		.Feb:- 28		Revision / Test Series			
		.March:- 1		Revision / Test Series			
		.March:- 2		Revision / Test Series			

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		March: - 2023.					
38	5	5 to 9		.March: - 5	Revision / Test Series		
				.March: - 6	Revision / Test Series		
				.March: - 7	Revision / Test Series		
				.March: - 8	Revision / Test Series		
				.March: - 9	Revision / Test Series		

Week	# of Working days	From--T0	Chapter	Date	Topics	%	Review
#		March: - 2023.					
39	5	12 to 16		.March: - 12	Revision / Test Series		
		.March: - 13		Revision / Test Series			
		.March: - 14		Revision / Test Series			
		.March: - 15		Revision / Test Series			
		.March: - 16		Revision / Test Series			

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