

Teaching Syllabus of Chemistry Department
2024-2025

Class: S.3 First Term

Month	September	October	November	December
No. of teaching days	20	19	20	2
Chapters no. of textbooks	Laboratory Safety / Evacuation drills (1 st Lab. Session) Fundamentals of chemistry (Phy / Chem changes and properties / mixture and compound)	Ch. 5 Atomic structure Ch. 6 The Periodic Table (Assessment)	Ch. 6 The Periodic Table Ch. 7 Ionic bonding and Metallic bonding	Revision Half-yearly Examination
Remarks:	ARISTO Textbook 1B + 1C			

Teaching Syllabus of Chemistry Department

Class: S.3 Second term

Month	January	February	March	April	May	June
No. of teaching days	14	14	22	10	18	2
Chapters no. of textbook	Ch. 7 Ionic bonding and metallic bonding	Ch. 8 Covalent bonding Ch. 10 Occurrence and extraction of metals	Ch. 10 Occurrence and extraction of metals Ch. 11 Reactivity of metals (Assessment)	Ch. 11 Reactivity of metals	Ch.13 Corrosion of metals and their protection	Revision Final Examination
Remarks:	ARISTO Textbook 1B + 1C					

Teaching Syllabus of Chemistry Department

Class: S.4 First term

Month	September	October	November	December
No. of teaching days	19	19	20	2
Chapters no. of textbook	Laboratory Safety / Evacuation drills (1 st Lab. Session) Revision test of ionic and covalent bonding and structures Ch.9 Structures and properties of Substances Ch. 29 Simple Chemical Cells	Ch. 29 Simple Chemical Cells (Con't) (Assessment I) Ch. 30 Redox reactions (exclude oxidizing properties of sulphuric acid and nitric acid) Ch. 31 Redox reactions in chemical cells	(Assessment II) Ch. 28 Chemical cells in daily life Ch.32 Electrolysis	Revision Half-yearly Examination
Remarks:	ARISTO Textbook 1A + 1B + 2 + 3B			

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Class: S.4 Second term

Month	January	February	March	April	May	June
No. of teaching days	14	14	22	10	18	2
Content Chapter no. of textbook	Ch.12 Reacting masses Ch.15 Concentration of solution	Ch.14 Acids and alkalis Ch 16 Indicator and pH	Ch 17 Strength of acids (Assessment I) Ch.18 Salts and neutralization Ch.19 Volumetric Analysis	Ch.19 Volumetric Analysis (Con't)	(Assessment II) Ch. 20 Hydrocarbons from fossil fuels Ch 21 Homologous series	Revision POST EXAM EXTRA LESSONS Ch. 36 Rate of chemical reaction Ch. 37 Factors affecting rate of reaction
Remarks:	ARISTO Textbook 1A + 1B + 2 + 3B					

Teaching Syllabus of Chemistry Department

Class: S.5 First term

Month	September	October	November	December
No. of teaching days	19	19	20	2
Chapters no. of textbook	Laboratory Safety / Evacuation drills (1 st Lab. Session) Revision of Volumetric analysis / VA experiments Ch. 36-37 Rate of chemical reaction Factors affecting rate of reaction Ch. 38 Gas volume calculations	(Assessment I) Ch. 24-26 Shape of molecules and Intermolecular force	Ch 27. Structures and properties of molecular crystals (Assessment II) Ch. 22 Alkanes and alkenes	Revision
Remarks:	ARISTO Textbook 2 + 3A + 3B + 4A + 4B			

Teaching Syllabus of Chemistry Department

Class: S.5 Second term

Month	January	February	March	April	May	June
No. of teaching days	14	14	22	10	18	2
Chapter no. of textbook	Ch. 23 Addition polymers Ch. 43 Isomerism	(Assessment I) Ch. 42 Introduction to selected homologous series	Ch. 44 Typical reactions of selected functional groups	Ch. 45 Synthesis of carbon compounds Ch. 46 Important organic substances <i>Extra lessons in Easter holiday</i> (Assessment II)	Ch. 34 Energy changes in chemical reactions Ch. 35 Hess's Law and its applications	(Post exam period and summer tutorials) Ch. 39 An introduction to chemical equilibrium Ch. 40 Factors affecting chemical equilibrium systems
Remarks:	ARISTO Textbook 2 + 3A + 3B + 4A + 4B					

Teaching Syllabus of Chemistry Department

Class: S.6 First term

Month	September	October	November	December
No. of Teaching Days	19	19	20	2
Chapters of textbook	Evacuation drills (1 st lab. session) Ch. 41 Periodic trends in elements and compounds Ch.42 The transition metals Assessment I Assessment II	Ch. 50 Importance of industrial process Ch. 51 Rate equation Ch.52 Activation Energy Ch.53 Catalysis and industrial processes Ch.54 Industrial processes Assessment III Assessment IV	Ch. 55 Green Chemistry Ch. 61 Detecting the presence of chemical species Ch. 63 Quantitative methods of analysis Ch. 64 Instrumental Analytical methods Assessment V	
Remarks	ARISTO Textbook 5 and 7			

Teaching Syllabus of Chemistry Department

Class: S.6 Second Term

Month	January	February	March	April	May	June
No. of Teaching Days	14	-	-	-	-	-
Chapters of textbook	Ch. 62 Separation and purification methods Ch. 65 Contribution of analytical chemistry to our society (Assessment VI)	First Mock Examination	Second Mock Examination			
Remarks	ARISTO Textbook 5 and 7					

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