Smart Syllabus /Accelerated Learning Programme (ALP) Chemistry Grade-12 for Academic Session 2026-27 & BISE Exam-2027

Note: All types of questions for BISE Examination paper will be prepared from the entire content of the textbook other than those topics and questions which have been excluded / deleted in the Smart Syllabus (ALP) for Chemistry-12 (Session 2026-27).

Chapter No.	Chapter Name	Deleted Topics and Exercise Questions	Page No.
17	Group 2 Elements	**17.5:** Solubility of Group 2 Sulphates and Hydroxides **17.6:** Complex Ion Formation **17.8:** Uses of Group 2 Compounds Quick Check: 17.3 & 17.4 Multiple Choice Questions (MCQs): viii, ix & x Short Answer Questions (SAQs): b, f & h Constructed Response Questions (CRQs): C Descriptive Questions (DQs): 06	(P 7-8) (P 8-9) (P 10-11)
18	Transition Metals	**18.9:** Stereoisomerism in Transition metal complexes **18.10:** Redox Reaction of Transition metals Quick Check: 18.7 & 18.8 Multiple Choice Questions (MCQs): ix Short Answer Questions (SAQs): g, j & k Constructed Response Questions (CRQs): a & b Descriptive Questions (DQs): 7 & 8	(P 28-29) (P 30-31)
19	Basics of Organic Chemistry	**19.8:** Mechanisms of Chemical Reactions **19.9:** Isomerism **19.10:** Stereochemistry in drug development Quick Check: 19.6 (c) & 19.7 Multiple Choice Questions (MCQs): iii, V, VI, VII, VIII & IX Short Answer Questions (SAQs): a, f, g, h, & i Constructed Response Questions (CRQs): b, c, & d Descriptive Questions (DQs): 5, 6 & 7	(P 46-47) (P 47-51) (P 52)

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Chapter No.	Chapter Name	Deleted Topics and Exercise Questions	Page No.
20	Aromatic Hydrocarbons	**20.3:** Comparison of reactivity of benzene with alkanes and alkenes. **20.6:** Other Reactions of Benzene Quick Check: 20.7 Multiple Choice Questions (MCQs): Nil Short Answer Questions (SAQs): Nil Constructed Response Questions (CRQs): a & b Descriptive Questions (DQs): Nil	**(**P 60) (P 65-67)
21	Halogenoalkanes	**21.4:** Examples of reactions of Halogenoalkanes **21.5:** Halogenoarenes Quick Check: 21.3 & 21.4 Multiple Choice Questions (MCQs): IX Short Answer Questions (SAQs): g, h & i Constructed Response Questions (CRQs): e Descriptive Questions (DQs): 6	(P 78-79) (P 80)
22`	Hydroxy Compounds	**22.2:** Acidity of Alcohols & Phenols **22.6.2:** Reactions of Aromatic Ring in Phenols Quick Check: 22.2 & 22.5 Multiple Choice Questions (MCQs): VII & VIII Short Answer Questions (SAQs): b, C (ii) & f Constructed Response Questions (CRQs): a & d Descriptive Questions (DQs): 4 & 7	(P 86-87) (P 92-93)
23	Carbonyl Compounds and Carboxylic Acids	**23.3:** Oxidation of Aldehydes and Ketones **23.8:** Acyl Chlorides **23.9:** Hydrolysis of Acyl Chlorides, Alkyl Chlorides & Aryl Chlorides Quick Check: 23.3 (b,c) & 23.5 Multiple Choice Questions (MCQs): II & X Short Answer Questions (SAQs): c & g Constructed Response Questions (CRQs): c Descriptive Questions (DQs): 9	(P 102-103) (P 110) (P 110-111)

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Chapter No.	Chapter Name	Deleted Topics and Exercise Questions	Page No.
24	Organic Nitrogen Compounds	**24.3.2:** Distinction between Primary and Secondary Amines **24.3.3:** Reactions of Phenyl amines (Aromatic Amines) **24.4:** Alkanenitriles **24.5:** Amides Quick Check: 24.4 Multiple Choice Questions (MCQs): IV, V, VI, VII & VIII Short Answer Questions (SAQs): c, d, f, h & k Constructed Response Questions (CRQs): a, b, & c Descriptive Questions (DQs): 7	(P 119) (P 119-121) (P 122) (P 122-124)
25	Organic Synthesis	**25.2:** Retro synthesis and Synthesis of Some Compounds **25.3:** Synthesis of Pharmaceutical Products **25.4:** Use of artificial intelligence (AI) in drug Designing Quick Check: 25.2 & 25.3 Multiple Choice Questions (MCQs): VII Short Answer Questions (SAQs): h & j Constructed Response Questions (CRQs): b Descriptive Questions (DQs): 4, 5 & 6	(P 132-133) (P134-136) (P 137)
26	Polymers	**26.2:** Nylon **26.3**: Identification of the type of a polymer, repeat Unit and monomers from a polymer section **26.5:** Challenge of Non-degradable Polymer **26.6:** Polymer in Artificial Organs Quick Check: 26.1 & 26.2 Multiple Choice Questions (MCQs): IV, V, VI, IX & X Short Answer Questions (SAQs): a, d, f, h, i & J Constructed Response Questions (CRQs): b Descriptive Questions (DQs): 6	(P 145-146) (P 147-148) (P 150-151) (P 151-152)

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Chapter No.	Chapter Name	Deleted Topics and Exercise Questions	Page No.
27	Biochemistry	**27.1.1:** Nutritional Importance of Carbohydrates **27.2.2:** Biological functions of Proteins **27.3:** Enzymes As Biocatalysts **27.4.4:** Nutritional and Biological importance of Lipids **27.5:** Nucleic Acids **27.6:** Minerals Quick Check: 27.1 (c), 27.2 (d, e), 27.3, 27.4 (b) & 27.5 Multiple Choice Questions (MCQs): IV, V, IX, & X Short Answer Questions (SAQs): g, h, i, j, k & l Constructed Response Questions (CRQs): d & e Descriptive Questions (DQs): 7	(P 158) (P 161-162) (P 162-164) (P 166) (P 167-169) (P 169-170)
28	Chromatography	**28.4:** Gas Chromatography Multiple Choice Questions (MCQs): VII, VIII, IX & X Quick Check: 28.2 Short Answer Questions (SAQs): f, g & h Constructed Response Questions (CRQs): b Descriptive Questions (DQs): 6	(P 176-178)
29	Spectroscopy-1	**29.1:** Index of Hydrogen Deficiency **29.2**: Atomic Spectrum **29.6:** Mass Spectrometry Quick Check: 29.1 & 29.4 Multiple Choice Questions (MCQs): V, VI, VII, & VIII Short Answer Questions (SAQs): a & d Constructed Response Questions (CRQs): a Descriptive Questions (DQs): 5 & 6	(P 182-183) (P 184) (190-194)

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Chapter No.	Chapter Name	Deleted Topics and Exercise Questions	Page No.
30	Spectroscopy-2 NMR	**30.7:** ^{13}C NMR Spectroscopy Quick Check: 30. 6 & 30.7 Multiple Choice Questions (MCQs): VII, VIII, IX & X Short Answer Questions (SAQs): c & f Constructed Response Questions (CRQs): Nil Descriptive Questions (DQs): 6	(P 209)
31	Materials and Energy	**31.2:** Toxicity and Recycling in Material Science **31.7**: Energy Density and Specific Energy **31.8:** Solar energy and Photovoltaic Cell Multiple Choice Questions (MCQs): V, VI & VIII Short Answer Questions (SAQs): a, b, d, g & h Constructed Response Questions (CRQs): d Descriptive Questions (DQs): 7	(P 216-218) (P 223-224) (P 224-225)
32	Medicine, Agriculture and Industry	**32.1** Therapeutic Index and Therapeutic windows **32.3.2** Opiates and Opioid receptors **32.4** Challenges in treating viral infections **32.8** Effect of Climate Change on crops **32.9** Genetic Engineering **32.13** Applications of Industrial Chemistry **32.14** Safety measure and Precautions Quick Check: 32.1, 32.2 (c) & 32.3 Multiple Choice Questions (MCQs): I, III, VI, X Short Answer Questions (SAQs): a, c, d, f & j Constructed Response Questions (CRQs): a & c Descriptive Questions (DQs): 5, 6 & 8	(P 228-229) (P 230) (P 231) (P 234-235) (P 235) (P 238) (P 238)

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Chapter No.	Chapter Name	Deleted Topics and Exercise Questions	Page No.
33	Water	**33.4:** Water Pollution due to human activities **33.5**: Effect of water pollution on the environment **33.7:** Protection and Conversation of water Resources **33.8:** Rules and regulations regarding water pollution and conservation Quick Check: 33.4 & 33.5 Multiple Choice Questions (MCQs): Nil Short Answer Questions (SAQs): g, I, j Constructed Response Questions (CRQs): c & d Descriptive Questions (DQs): 7	(P 249-250) (P 250-251) (253-254) (P 254)

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