

## XI Chemistry (55)

### Deleted and Non-Evaluative portion for Year 2020-21.

Sr.No	Chapter No. and Name	Deleted and Non-Evaluative portion
1	1.Some basic concepts of chemistry	1.1Introduction 1.2 Nature of chemistry ,1.2.1 Matter, 1.2.2 Pure substances verses mixtures,1.2.3 States of matter, 1.4.1 Law of conservation of mass, 1.4.2 Law of definite proportion,1.4.3 Law of multiple proportion, 1.5 Daltons atomic theory,
2	2.Introduction to Analytical chemistry	2.1 Introduction, 2.3 Mathematical operation and error analysis, 2.3.2 Scientific notation, 2.3.3 Significant figures, 2.3.4 Rules of deciding significant figures, 2.3.5 Calculations with significant figures.
3	3.Some Analytical techniques	3.1 Introduction,3.5 Chromatography
4	4. Structure of Atom	4.1 Subatomic particles, 4.5.1Wave particle duality of electromagnetic radiation (including problems 4.4 & 4.5).
5	5. Chemical Bonding	5.1 Introduction, 5.2 Kossel and Lewis approach to chemical bonding, 5.2.1 Ionic bond, 5.1.2 Ionic solids and lattice enthalpy ,5.2.2 Covalent bond, 5.4.1 Formal charge, 5.5.6.2, 5.5.6.3, 5.5.6.4,5.5.6.5 (Except H <sub>2</sub> molecule)
6	6. Redox reactions	6.1 Introduction, 6.1.1 Classical ideas of redox reactions, 6.3.2 Ion electron method (Half reaction method)
7	7.Modern Periodic Table	7.1 Introduction, 7.5.3.c. Periodic trends in Chemical Reactivity.
8	8.Elements of group 1 and 2	8.1Hydrogen (Entire ),8.2.7 Biological importance of elements of group 1 and 2 ,8.3.1 Sodium Carbonate, 8.3.3 Calcium Carbonate, 8.3.4 Hydrogen peroxide.
9	9. Elements of group 13, 14 and 15	9.1 Introduction , 9.6.1 Allotropes of Carbon , 9.8 Chemistry of notable compounds of elements of group 13 , 14 and 15
10	10. States of Matter: Gaseous and Liquid State	10.1 Introduction, 10.8.3 Liquefaction of gases and critical constants, 10.9 Liquid state (Vapour pressure, Surface Tension and Viscosity only understanding of concepts) Factors affecting vapour pressure, Application of surface tension.
11	11. Adsorption and Colloids	11.1 Introduction ,11.5 Adsorption Isotherm,11.7.1 Homogeneous Catalysis, 11.7.2 Heterogeneous catalysis, 11.7.3 Inhibitors,11.8 Adsorption Theory of Heterogeneous Catalysis,11.9.3 Preparation of colloids, 11.9.4 Purification of colloidal solutions, 11.9.5 e. Electrical Properties, f. Coagulation,11.9.6 Methods of coagulation.
12	12.Chemical Equilibrium	12.7 Application of equilibrium constant,
13	13.Nuclear Chemistry and Radioactivity	13.2 Classification of nuclides,13.3.4 Nuclear potential,13.3.5 Nuclear Binding energy and mass defect
14	14. Basic principle of organic chemistry	14.1 Introduction ,14.6 Theoretical basis of organic reactions,
15	15.Hydrocarbon	15.1.3 Industrial preparation of alkanes, Free radical mechanism of halogenation of alkanes, 2. Combustion ,3 Pyrolysis , 4 Reforming a) Industrial source of alkenes , 15.4.2 Structure of Benzene,
16	16.Chemistry in everyday life	Introduction, Traditional knowledge in medicine, Table 16.2 Active ingredients of some medicinal plants.