

SYLLABUS 2022-23

Class- XI(Science)

TERM I

MONTH	TEXT BOOK - TOPIC	E LIBRARY TOPIC	ACTIVITY PROJECT/READING/A SL
JULY	Chapter 1 - Some basic concepts of Chemistry Chapter 2- Structure of Atom	mole concept, limiting reagent	Project on Bohr model
AUGUST	Chapter 3- Periodic classification Chapter 4- Chemical bonding and molecular structure	Hybridization of different compounds	Crystallization of copper sulphate
SEPTEMBER	Chapter 8- Redox reaction	Acidic and Basic balancing	Preparation of Mohr salt

TERM II

OCTOBER	Chapter 12-General organic chemistry	IUPAC Nomenclature of different functional groups	Functional group Test (S, Ba, Na)
NOVEMBER	Chapter 13-Hydrocarbon	Alkanes, Alkenes Alkynes and Aryl preparation and their reactivity.	Flame test
DECEMBER	Chapter 6- Thermodynamics	Enthalpy, Entropy, Work function, Gibbs free energy	Test for starch
JANUARY	Chapter 7- Equilibrium	Inductive effect, Hyperconjugation, Electromeric effect, Resonance effect, ortho-Para, meta directing groups	Test for halogens
FEBRUARY	Revision of Physical and inorganic chemistry	Quantum no, electronic configuration	Project on Cold drinks, Adsorption, rusting of iron, electrochemical cell