

NDA CHEMISTRY SYLLABUS

CHAPTER	SUB TOPIC
IS MATTER AROUND US PURE	Matter- physical nature & characteristics States of matter & their properties Change of state of matter Latent heat Evaporation & its factor Pure Substance & Elements Compound Mixture Solution – Part I Solution – Part II Suspension Colloidals
ATOM AND MOLECULES	Atoms & molecules Part – I Atoms & molecules Part – II Atom and atomic mass Molecule and molecular mass Mole concept Part – I Mole concept Part – II Mole concept Part – III
STRUCTURE OF ATOMS	Cathode rays Anode rays Thomson’s model and alpha – scattering experiment Rutherford’s model Bohr’s atomic model Discovery of neutron
CHEMICAL EQUATION & REACTION	Chemical Reaction Types of Chemical Reaction Balancing of chemical equation Rancidity
ACIDS – BASES AND SALTS	Acids, Properties of acids Chemical Properties of acids Classification & Industrial uses of acids Chemical properties of acids Classification & Industrial uses of acids Bases, Properties of Base Chemical Properties of Base Basicity of an acid and acidity of base pH – Scale, Importance of pH in everyday life Salts, Classification of Salts – Part 1 Salts, Classification of Salts – Part 2

METALS & NON – METALS	Metals and physical properties of metals Chemical properties of metals Non – metals its physical properties Chemical properties of non – metals Occurrence of metals – Part 1 OR Metallurgy – Part 2 Corrosion of Metals
CARBON AND ITS COMPOUND	Introduction Allotropes of Carbon Hydrocarbons Homologous Series Ethanol and Ethanoic acid – properties