

Syllabus for XI science (1st term September 2022)

English

1.Comprehensions

2.Gap filling, sentence reordering, transformation of sentences

3.Classified advertisement, Posters,Speech, Debate.

HORNBILL

The portrait of lady

We are not afraid to die

Discovering Tut

The adventure

POEMS

Laburnum Top

A photograph

SNAPSHOT

The summer of beautiful white horse

The address

Mother's day

LISTENING ACTIVITY

Monday, Tuesday

Biology

Biology syllabus for XI

Ch1 The living world

Ch2 Biological classification

CH3 plant kingdom

Ch 4 Animal Kingdom

Ch 5 Morphology of flowering plants

Ch 7 Structural organization in animals

Ch 17 Breathing and exchange of gases

Chemistry

Unit I: Some Basic Concepts of Chemistry

Nature of matter, laws of

InChemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept molar mass,percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and

Calculations based on stoichiometry.

Unit II: Structure of Atom

Atomic number, isotopes and isobars.

Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model

And its limitations, concept of shells and subshells, dual nature of matter and light, de

Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum

Numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals – Aufbau

Principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms,

Stability of half-filled and completely filled orbitals.

Unit III: Classification of Elements and Periodicity in Properties

Significance of classification, brief history of the development of periodic table, modern

Periodic law and the present form of periodic table, periodic trends in properties of

Elements -atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain

Enthalpy, electronegativity, valency. Nomenclature of elements with atomic number

Greater than 100.

Unit IV: Chemical Bonding and Molecular Structure

Valence electrons, ionic bond, covalent bond, bond parameters, Lewis's structure, polar

Character of covalent bond, covalent character of ionic bond, valence bond theory,

Geometry of covalent molecules, VSEPR theory,

Physics

Physics syllabus

UNIT -1 Physical world and measurement

UNIT-2 Kinematics

UNIT -3 Laws of motion

UNIT-4 Work energy and power

Physical education

Physical education syllabus for term 1

Unit 1:- changing trends and carrier in physical education

Unit 2:- olympism (ancient and modern Olympics)

Unit 3:- yoga

Unit 4:- physical education and sports for CWSN

Unit 5:- physical fitness and wellness

Applied Arts

Theory -Chapter 1st to 5th (M.M.30)

Practical – Bring your material. (M.M.70)

Maths

Chapter set, Relation and function, Trigonometry, complex numbers, Linear inequalities, 3 dimensional, Statistics

I.P

Syllabus of I.P.

Chapter)- 1,2,3,7