



INTERNATIONAL SCIENCE OLYMPIAD

SYLLABUS AND QUESTION PAPER SCHEME

Duration: 1.30 Hrs

Max Marks: 90

Class: XI

Date: 24th JAN 2024

SECTION 1: PHYSICS

Physical World and Measurement, Kinematics, Laws of Motion, Work, Energy and Power, Motion of System of Particles and Rigid Body, Gravitation, Properties of Bulk Matter, Thermodynamics, Behaviour of Perfect Gases and Kinetic Theory of Gases, Oscillations and Waves.

SECTION 2: CHEMISTRY

Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, Chemical Thermodynamics, Equilibrium, Redox Reactions, Organic Chemistry: Some basic Principles and Techniques, Hydrocarbons.

SECTION 3: MATHS

Sets and Functions, Algebra, Coordinate Geometry, Calculus, Statistics and Probability

(or)

SECTION 4: BIOLOGY

Diversity of Living Organisms, Structural Organization in Plants and Animals, Cell: Structure and Function, Plant Physiology, Human Physiology.

QUESTION PATTERN

S.No	SUBJECTS	NUMBER OF QUESTIONS	MARKS ALLOTMENT
1	PHYSICS	30	30
2	CHEMISTRY	30	30
3	MATHS (or) BIOLOGY	30	30
	Total	90	90