



INTERNATIONAL SCIENCE OLYMPIAD

SYLLABUS AND QUESTION PAPER SCHEME

Duration: 1.30 Hrs

Max Marks: 90

Class: XII

Date: 29th NOV 2023

SECTION 1: PHYSICS

Electrostatics, Current Electricity , Magnetic Effects of Current and Magnetism , Electromagnetic Induction and Alternating Currents , Electromagnetic Waves , Optics, Dual Nature of Radiation and Matter , Atoms and Nuclei , Electronic Devices.

SECTION 2: CHEMISTRY

Solutions, Electrochemistry, Chemical Kinetics, d -and f -Block Elements, Coordination Compounds, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids, Amines, Biomolecules

SECTION 3: MATHS

Relations and Functions, Algebra, Calculus, Vectors and Three - Dimensional Geometry, Linear Programming, Probability.

(or)

SECTION 4: BIOLOGY

Reproduction, Genetics and Evolution, Biology and Human Welfare, Biotechnology and its Applications, Ecology and Environment.

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