



# POLAR OLYMPIAD 2025 SYLLABUS & PATTERN

Class: 12<sup>th</sup> Science

## SYLLABUS



### PHYSICS

- Electric charges and fields
- Electrostatic potential and capacitance
- Current electricity
- Moving charges and magnetism
- Magnetism and matter



### MATHEMATICS

- Relations and functions
- Inverse trigonometric functions
- Matrices
- Determinants
- Continuity and Differentiability
- Application of derivatives



### CHEMISTRY

- Solutions
- Electrochemistry
- Chemical Kinetics
- The D and F block elements
- Coordination Compounds
- Haloalkanes and Haloarenes
- Alcohols, Phenols and Ethers

## PAPER PATTERN

**Pattern Questions:** 60 Objective Type Questions MCQs of 4 choices (Single Correct Answer)

**Questions Distribution:** Physics : 20, Chemistry : 20, Maths : 20

**Marking Scheme:** +4 For each correct answer (One mark will be deducted for each wrong answer)

**Medium & Duration of Exam:** Medium : Both Hindi and English | Duration : 2 Hours

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Class **8<sup>th</sup>** to **12<sup>th</sup>**

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