SOF International Mathematics Olympiad (IMO)

Syllabus — Class 11 (Exam Year 2026–27)

Total Questions: 50 **Duration:** 1 hr.

> Following the protocol of NEP (2020), NCF (2023), NCERT and CBSE guidelines, National and various State Boards for the convenience of schools and students, any change/reduction in the syllabi will be reflected in actual question papers.

Syllabus

Section – 1 : Verbal and Non-Verbal Reasoning.

Section – 2 : Sets, Relations and Functions, Logarithms, Principle of Mathematical Induction, Complex Numbers and Quadratic Equations, Linear Inequalities, Sequences and Series, Trigonometry, Straight Lines, Conic Sections, Permutations and Combinations, Binomial Theorem, Statistics, Limits and Derivatives, Probability, Introduction to 3-D Geometry.

Section – 2 : Numbers, Quantification, Numerical Applications, Sets, Relations and Functions, Sequences and Series, Permutations and Combinations, Mathematical Reasoning, Limits, Continuity and Differentiability, Probability, Descriptive Statistics, Basics of Financial Mathematics, Straight Lines, Circle, Parabola.

Section – 3 : The syllabus of this section will be based on the syllabus of Quantitative Aptitude.

Section – 4 : Sets, Relations and Functions, Sequences and Series, Permutations and Combinations, Limits and Derivatives, Straight Lines, Circle, Parabola, Probability.

NO. OF QUESTIONS

MARKS per QUESTION

M4- Achievers Section

M2- Mathematical Reasoning

M3- Everyday Mathematics

M1- Logical Reasoning

M4- Achievers Section

M2- Mathematical Reasoning

M3- Everyday Mathematics

M1- Logical Reasoning

M4- Achievers Section

M2- Mathematical Reasoning / Applied Mathematics

M3- Everyday Mathematics

M1- Logical Reasoning

Marks Distribution — Class 11th & 12th

Section	No. of Questions	Marks per Question	Total Marks
Mathematics	25	1	25
Mathematical Reasoning / Applied Mathematics	20	1	20
Achievers Section	5	3	15
Grand Total	**50**		**60**