

International Olympiad of Mathematics (IOM)

Exam Pattern

- **Duration:** 50 Minutes
- **Total Questions:** 40

Sections

Section	Subject
Section 1	Mathematics
Section 2	Reasoning and Aptitude
Section 3	Scholar's Zone

Syllabus

Topic	Chapters
Number System	• Irrational Numbers • Real Numbers and their Decimal Expansions • Operations on Real Numbers • Laws of Exponents for Real Numbers
Algebra	• Polynomials in One Variable • Zeroes of a Polynomial • Factorization of Polynomials
Geometry & Coordinate Geometry	• Lines and Angles • Triangles • Quadrilaterals • Circles • Linear Equations in Two Variables • Solution of Linear Equations • Coordinate Geometry
Statistics	• Bar Graphs • Histogram • Frequency Polygon
Mensuration	• Surface Area and Volume of Right Circular Cones and Spheres • Heron's Formula
Reasoning and Aptitude	• Reasoning and Aptitude
Scholar's Zone	• Scholar's Zone

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