



IOQM is the **first stage** of the Mathematics Olympiad pipeline, conducted directly by **HBCSE** (replacing the earlier PRMO). Clearing IOQM leads to **RMO & INMO**, and onward to IMOTC and India's team for the **IMO**. This Aakash test series covers Algebra, Number Theory, Combinatorics & Geometry at the difficulty level required to clear IOQM.

PART TESTS — Topic-wise (4 Tests)

Syllabus divided into 4 uniform units covering the complete IOQM syllabus

TEST	SYLLABUS COVERAGE	DATE
PT-1	Number Theory: Divisibility, Bezout's Identity, Diophantine Equations, Theory of Congruences, Binary and Decimal Representation, CRT, Fermat's Little Theorem, Euler Phi Function, Greatest Integer Function, The Sum of Digits of a Number, Primitive Roots, Theory of Indices, Fibonacci & Lucas Sequences, Pell's Equation	18 July 2026
PT-2	Algebra: Linear Equations, Relation between Roots & Coefficients, Arithmetic & Geometric Series, Telescopic Sums & Products, Recursive Series, different Inequalities, Functional Equations, Telescopic Sums in Trigonometry, Conditional Identities, Complex Numbers, Geometry using complex numbers	25 July 2026
PT-3	Combinatorics: P & C, Complementary Counting, Inclusion-Exclusion Principle, Groups and Distribution, Pigeonhole Principle, Binomial Theorems, Derangements, Generating Functions, Recurrence, Probability, Graph theory, Games and winning strategies, Invariance principle, Tiling and coloring, Catalan Numbers	15 Aug 2026
PT-4	Geometry: Angle Chasing Techniques, Centre related to triangle, Cyclic Quadrilaterals, Orthic Triangles, Pythagorean Theorem, Angle Bisector Theorem, Properties of Circle, Ptolemy's Theorem, Phantom Points, Sine Rule, Cosine Formula, Parallelogram Trick, Menelaus Theorem, Pascal's Theorem, Ceva's Theorem	23 Aug 2026

FULL SYLLABUS MOCK TESTS (6 Tests)

Complete IOQM syllabus (PT-1 to PT-4 combined) in exact exam pattern

TEST	SYLLABUS COVERAGE	DATE
MT-1	Full Syllabus — Number Theory, Geometry, Algebra & Combinatorics	25 Aug 2026
MT-2	Full Syllabus — Number Theory, Geometry, Algebra & Combinatorics	26 Aug 2026
MT-3	Full Syllabus — Number Theory, Geometry, Algebra & Combinatorics	29 Aug 2026
MT-4	Full Syllabus — Number Theory, Geometry, Algebra & Combinatorics	30 Aug 2026
MT-5	Full Syllabus — Number Theory, Geometry, Algebra & Combinatorics	1 Sept 2026
MT-6	Full Syllabus — Number Theory, Geometry, Algebra & Combinatorics	2 Sept 2026

WHAT YOU GET

- ✓ Olympiad-level question bank with detailed solutions by Aakash's top faculty
 - ✓ Fully online test series — attempt from anywhere
 - ✓ 24-hour test window for every test
 - ✓ Re-attempt allowed on all tests, including missed ones
- ✓ Detailed test analysis report after every test
 - ✓ Academic support & mentorship for RMO & INMO

