IMO — Innovative Maths Olympiad

Pattern of Questions, Syllabus and Marking Scheme

Grade 8

Total Questions: 50
Time: 1.5 hr
Total Marks: 100
Marks per Question: 2
Negative Marking: No negative marks for wrong answers

Numbers
Rational Numbers, Playing with Numbers, and Exponents and Powers · Squares and Square Roots, Cubes and Cube Roots

Algebra
Algebraic Expressions, Identities, Factorisation, and Linear Equations in One Variable

Commercial Mathematics and Proportion
Direct and Inverse Proportion, Commercial Mathematics

Geometry and Mensuration
Visualising Solid Shapes and Mensuration

Instructions
1. This question paper contains 50 compulsory questions.
2. The duration of the examination is 90 minutes.
3. Each question carries 2 marks, totaling 100 marks. There are no negative marks for incorrect answers.
4. Answers must be marked on an OMR sheet using a blue or black ball-point pen.
5. Electronic devices such as calculators, mobile phones, smartwatches, or log tables are strictly prohibited.