

D.A.V. PUBLIC SCHOOL, THANE

SESSION: 2024 - 2025

**Math Aptitude Test and Junior Math Olympiad
(STD V TO VIII)**

Greetings!!!

“The secret of success is determined by hard work, perseverance and strong focus towards your goal”

We aspire to make learning interesting and meaningful for students and ignite the spark of curiosity and learning in young minds.

The Institute of Mathematics Education (IME), have been dedicated to the cause of nurturing excellence in Mathematics, for several years now.

They endeavour to stimulate the spirit of enquiry, innovation and creativity amongst children through activities that make Mathematics an enjoyable and interesting pursuit.

One such activity that the IME conducts is **Junior Maths Olympiad (JMO)**.

JMO serves as a strong preparatory foundation for the **Indian Olympiad Qualifier in Mathematics (IOQM)**, conducted by **Homi Bhabha Centre** for Science Education under National Board of Higher Mathematics, Government of India.

Examination Details:

Math Aptitude Test (MAT) 2024 is the qualifying examination for **JMO 2025**. It is conducted for the students of **standards 5, 6, 7 and 8**.

- **Date of examination:** 3rd August 2024, **Day:** Saturday
- **Time:** 2 pm to 4 pm (Offline mode)
- **Registration fee per student:** ₹ 350 (to be submitted to the class teacher)
- **Last Date for Registration:** 04th July 2024
- **Examination Centre:** D.A.V Public School, Thane
- **Study Material:** The students can buy the books from IME website

www.aiime.org

MAT Question Paper (Primary and Higher Primary Group)

- ❖ Question paper consists of **50 Multiple Choice Questions**.
- ❖ Each question carries **4 options** of which only one is correct.

- ❖ Each question carries **two marks**.
- ❖ There is no **negative marking** for wrong or unattempt questions.
- ❖ Maximum marks are **100**.
- ❖ First **45 questions** are of easy to moderate level of difficulty. Last **5 questions** are of higher level of difficulty.
- ❖ Time duration is **2 hours**.
- ❖ Medium of examination is **English**.

SYLLABUS : PRIMARY GROUP (STD. 5 AND 6)

Study of Numbers, Basic Operations on Numbers, Even, Odd, Prime and Composite Numbers, Tests of Divisibility, G.C.D. and L.C.M., Fractions, Decimal Fractions, Metric Measures, Roman Numerals, Time, Equality, Inequality and Use of Letters, Calendar, Simplification of Expression, Unitary Method, Perimeter and Area, Profit and Loss, Percentage.

SYLLABUS : HIGHER PRIMARY GROUP (STD. 7 AND 8)

Operations on Numbers, G.C.D. and L.C.M., Ratio and Proportion, Percentage, Profit and Loss, Simple and Compound Interest, Average, Distance, Speed and Time, Time and Work, Squares and Square Roots, Cubes and Cube Roots, Indices, Algebraic Expressions and Factorization, Equations in One Variable, Identities, Lines and Angles, Triangles, Pythagoras Theorem, Area, Volume and Surface Area, Circle: Chords and Tangents, Polygon.

Warm Regards

Mrs. Simmi Juneja

Principal