

THE INDIAN MATHEMATICS AND SCIENCE ASSOCIATION

ARYABHATTA TALENT SEARCH TEST IN MATHEMATICS AND SCIENCE (All India, Zonal & State Level)

INFORMATION BROCHURE

Introduction

Aryabhatta Talent Search Test in Mathematics and Science (ATSTMS)-2026 will be conducted for classes 6 to 12 and Undergraduate / Postgraduate students across India who excel in Mathematics and Science followed by felicitation and training programme.

Objectives

The objective of this examination is to identify talented students in Mathematics and Science from various schools and colleges across India, reward them, and provide training through the Instructional School of Mathematics & Science (ISMS).

- To introduce students with recent trends & career options in Mathematics and Science
- To identify students' conceptual gaps and weaknesses to create suitable training methodology at student and educator level
- To instill a spirit of scientific inquiry, computational thinking, and a competitive mindset among students.

Organizing Bodies

This programme is proposed to be jointly organized by the Indian Mathematics and Science Association (IMSA) and other educational bodies having objectives similar to those of IMSA.

About IMSA

The Indian Mathematics and Science Association (IMSA) is a non-profit educational organization dedicated to advancement of knowledge and promotion of academic excellence in the fields of Mathematics and Science.

Objectives and Activities

- To encourages scholarly work by compiling and publishing journals, books, and reports that contribute to the growth of scientific and mathematical knowledge.
- To organize conference, seminar, workshop and training programmes for students and teachers. The association also invites eminent scholars and researchers to deliver

memorial lectures and special talks, highlighting their contributions to Mathematics and Science.

- To organize the Aryabhata Talent Search Test in Mathematics and Science (ATSTMS), a competitive examination designed for students from classes 6 to 12, as well as those at undergraduate, postgraduate, and equivalent levels.
- To publish an international journal titled: “**An International Journal of the Indian Mathematics and Science Association (IJIMSA)**”. This journal is structured into three independent volumes, each focusing on a distinct domain:

Mathematical Sciences – covering pure and applied mathematics, statistics, computational mathematics, and interdisciplinary studies.

Physical Sciences – including physics, chemistry, astronomy, and related applied sciences.

Biological Sciences – encompassing botany, zoology, microbiology, biotechnology, and life sciences.

4.Examination Pattern

Aryabhata Talent Search Test in Mathematics and Science (ATSTMS)-2026 will be conducted in two stages to identify and nurture talented students at the state, zonal and national levels.

Stage 1: MCQ-Based Screening Test

The first stage of the examination will be an MCQ-based Screening Test, conducted in online mode. Candidates will be required to solve 25 Multiple Choice Questions (MCQs) within a duration of 60 minutes. Each question will carry 4 marks, and there will be no negative / negative marking for incorrect responses. The question paper will be available in both Hindi and English. This Screening Test will serve as a qualifying round for the next stage. The final ranking will be determined based on the marks obtained in Stage 2.

Stage 2: Main Examination (Subjective Test)

The second stage of the examination will be a Subjective/Descriptive Test, conducted in offline mode. The total duration of this examination will be 150 minutes (2.00 hours), during which candidates will attempt 10 descriptive and analytical problems.

5.Examination Fee

The examination is free of cost to ensure equal opportunity for all students, with the Government potentially providing financial support for these initiatives. This initiative encourages maximum participation across diverse regions and backgrounds by removing financial barriers, allowing talent alone to determine success.

This fee waiver reflects the core mission of IMSA is to nurture talent, promote academic excellence, and provide equal opportunities for all students, regardless of their socio-economic background.

6.Eligibility

The examination is open to all students currently enrolled in any recognized school or college within India. Candidates must apply strictly according to the class level in which they are presently studying.

Maximum Age Limits:

- o For students of Classes 6 to 12: 13 to 19 years
- o For Undergraduate (UG) students: up to 26 years
- o For Postgraduate (PG) students: up to 30 years

7. Syllabus & Previous Year Questions

Syllabus

The syllabus, previous year question papers, and detailed examination guidelines will be available on the official website: www.imsaindia.org. Students are advised to visit the site regularly to access these resources and prepare effectively for the examination.

Student Advisory: Candidates are strongly advised to regularly check the official website for updates, notifications, and resources.

8. Registration Process

The registration for the examination will be conducted through an online application process. Interested and eligible students must visit the official website: www.imsaindia.org to complete their registration.

Students must carefully fill in all the required personal, academic, and contact details in the online form. They are also required to upload the specified documents as mentioned in the instructions. Upon successful submission, the system will generate a registration receipt/confirmation page, which should be downloaded and saved for future reference during the examination process.

9. Examination Centres

Examination Centres

The screening test will be conducted online mode while main test will be conducted offline mode under five major geographical zones to provide convenient access for students from different regions of the country. These five zonal centres ensure nationwide coverage, accessibility, and equal opportunities for all students to participate in the examination.

I. North Zone – Headquarters: New Delhi

The North Zone, with its headquarters in **New Delhi**, consists of the following states and union territories such as Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Punjab, Rajasthan, Ladakh

II. South Zone – Headquarters: Bangalore

The South Zone, with headquarters in **Bangalore**, consists of the following states and union territories such as Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana, Puducherry (Union Territory)

III. East Zone – Headquarters: Kolkata

The East Zone, with its headquarters in **Kolkata**, caters to students from the eastern and northeastern states consist of West Bengal, Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Andaman & Nicobar Islands

IV. West Zone – Headquarters: Mumbai

The West Zone, with its headquarterd in **Mumbai**, serves students from the western region

consist of Maharashtra, Goa, Gujarat, Rajasthan, Lakshadweep, Daman & Diu and Dadra & Nagar Haveli

V. Central Zone – Headquarters: Patna

The Central Zone, with its headquarter in **Patna**, serves students from the central and eastern states consists of Bihar, Jharkhand, Uttar Pradesh, Madhya Pradesh, Odisha

Examination Scheduled

To ensure smooth participation in the ATSTMS examination for Classes 6 to 12 and UG & PG students across India, the test will be conducted in two stages:

- I. **Stage 1** – MCQ-Based Screening Test
- II. **Stage 2** – **Main Examination** (Subjective Exam)

Stage 1: MCQ-Based Screening Test

- **Registration:** 22/12/2025 – 10/02/2026
- **Admit Card Download:** From 10/03/2026
- **Stage 1 Examination Date:** 12/04/2026

Exam Timings:

- Classes 6–8: 10:30 – 11:30 AM
- Classes 9–12: 12:30 – 01:30 PM
- UG & PG: 02:30 – 03:30 PM
- Results Declaration: 20/04/2026

Stage 2: Subjective based Examination (Main Examination)

The Subjective Examination will be held for candidates who qualify in the Stage 1 (Screening Test). The detailed schedule and instructions for the mains/subjective examination will be communicated separately on the official website.

The tentative schedule is as follows:

- Registration: 21/04/2026 – 28/04/2026
- Admit Card Download: From 30/04/2026
- Stage II Examination Date: 10/05/2026

Exam Timings:

- Classes 6–8: 09:00 – 11:30 AM
- Classes 9–12: 12:00 – 02:30 PM
- UG & PG: 03:00 – 05:30 PM

Results: 15/05/2026

10. Selection of Students

The selection of students for participation in the final event is carried out through a multi-level screening structure. The process includes State Level, Zonal Level, and National Level selection.

State Level: students are selected based on their performance in the examination.

From each state, selections are made across seven class categories (Classes 6 to 12), UG and PG with 10 students chosen from each category, covering 29 states and 7 union territories.

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level screening structure.

Zonal Level Selection

For the Zonal Level, India is divided into **five zones**. From each class 6-12 and UG & PG in each zone, the Top 10 rankers are selected in both Mathematics and Science.

National Level Selection

At the National Level, the top rankers from all zones compete for the highest honours. The national ranking list identifies the best-performing students from across the country, who are then awarded prizes and recognition during the final event.

The selection structure is as follows:

For Classes 6 to 12

Selections		Math	Science	Total
State	$36 \times 10 \times 7$	2520	2520	5040
Zone	$5 \times 10 \times 7$	350	350	700
National	3×7	21	21	42

For Classes UG & PG

Selections		Math	Science	Total
State	$36 \times 10 \times 2$	720	720	1440
Zone	$5 \times 10 \times 2$	100	100	200
National	3×1	3	3	6

National Ranking: $7 \times 3 \times 2 = 42$ students from and $3 \times 2 = 6$ students from UG and PG.

11. About the Participants

A total of 5040 students from various schools for classes 6 to 12 and 1400 students for UG & PG students will be selected in screening test across all states of India in this prestigious event. While a total 42 students for classes 6 to 12 & 6 students for 6 students from UG and PG student at national level. Their selection represents a high level of academic excellence, dedication, and competitive merit.

Further details regarding the examination process, evaluation, and participation can be accessed on the official website www.imsaindia.org

12. Grant / Financial Assistance

The Indian Mathematics and Science Association (IMSA) proposes to seek financial assistance for the academic programme from the Government or other supporting bodies.

To ensure the smooth and efficient execution of the Test, Award Ceremony, and Training Programme at the national, zonal, and state levels, financial support will be required to cover logistical arrangements, coordination responsibilities, venue management, travel arrangements, examination materials, facilitation, training programme and official.

This financial assistance will enable IMSA to successfully organize and manage all activities, ensuring effective implementation and maximum impact across the country.

13. Awards and Prizes

The National Award Ceremony will be organized at the head quarter at Patna, while the Zonal Award Ceremonies will be conducted at their respective zonal headquarters

The first, second, and third rank holders from each class at the national level will be awarded certificates, medals, cash prizes and kind in recognition of their academic achievements as per availability of the government or any bodies support.

All other qualifying winners, apart from the top three, will also receive certificates of excellence, medals and cash prizes in recognition of their academic achievements.

The awards or training programme shall be organized based on the support received from the government or any other agency.

Every student who successfully qualifies in the first-stage screening test conducted at the state level will be awarded an appreciation certificate.

Instructional School for Mathematics and Science (ISMS)

Introduction

The Indian Mathematics and Science Association (IMSA) is going to organize the Instructional School for Mathematics and Science (ISMS) training programme for students of Classes 6–12 as well as Undergraduate (UG) and Postgraduate (PG) levels. The programme will be conducted in two phases spanning 30 days, with each phase consisting of 15 days.

This training initiative aims to ignite and nurture a strong mathematical and scientific temperament among students across academic institutions in India.

This national initiative is supported and funded by the Government of India, State Governments, or other bodies committed to promoting academic excellence. The programme is led by a dedicated group of experienced and committed teachers of Mathematics and Science, who strive to strengthen students' conceptual understanding, problem-solving abilities, and research orientation.

1.Objectives

The objective of the Training Camp is to instill scientific temper and to develop interest, computational thinking, and a competitive mindset among students. The 30-day ISMS programme includes an intensive problem-solving training camp designed to prepare students for various Mathematics and Science Olympiads as well as other national-level competitive examinations.

Furthermore, the programme aims to motivate and inspire students to pursue higher studies in mathematics and science related fields, ultimately encouraging them to build a

strong and meaningful career in mathematical and scientific disciplines.

2. Pedagogical Approach:

The training camp intends not to give routine lectures but to stimulate the participants to think, explore, learn and analyze mathematics and science on their own and hence, expose students to the curiosity of doing mathematical and scientific research. Students who participate in this program can expect to gain a deep understanding of various mathematical concepts and their applications in real world problems.

4. Resource Persons

The faculty members for this programme will include reputed mathematicians and scientists from various IITs, NITs, and other premier institutions across the country. These experts will serve as Mentors and Subject Matter Experts (SME), guiding students throughout the training. In the classroom, they will facilitate learning, anchor discussions, and provide academic support.

This approach will promote intense interaction between students and instructors, ensuring closer attention to each learner. The role of the faculty is not to provide direct answers but to pose relevant, thought-provoking questions that keep students on the right track while encouraging them to analyze and solve problems independently.

Important Guidelines for the Participants

There is no fee for either the Examination or the Training Programme. All selected students will receive an email invitation to attend the training programme, sent to the email address provided in the application form. If no response is received by the due date, it will be assumed that the student does not wish to join ISMS training programme.

Students are encouraged to stay at the training centre for the entire duration of the programme. Those wishing to stay on campus must submit a No Objection Certificate (NOC) signed by their parent/guardian. The NOC format will be sent along with the invitation email.

Once the confirmation email expressing willingness to participate in ISMS training programme is received, travel arrangements for reaching the campus at the beginning of the programme will be made by the Government or any supporting bodies, and the Indian Mathematics and Science Association (IMSA). Students will receive a separate email/message regarding these arrangements.

Programme Structure and Outline

Duration of Camp

The Training Camp spans 30 days, with a structured schedule designed to promote academic learning, physical well-being, and creative engagement.

Phase 1: Classes 9 to 12 — 1st to 15th June, 2026

Phase 2: Classes 6 to 8 — 16th to 30th June, 2026

Phase 2: UG & PG — 16th to 30th June, 2026

Daily Schedule

Each day consists of two sessions, each containing four periods of 1 hour 30 minutes for all levels. The sessions are complemented by rigorous discussions, seminars, yoga, cultural programmes, and other co-curricular activities designed to enhance the overall learning experience.

Class Timings (9:30 AM – 5:45 PM)

- **Session I:** 9:30 – 11:00 AM
- **Session II:** 11:15 – 12:45 PM
- **Lunch Break:** 12:45 – 2:30 PM
- **Session III:** 2:30 – 4:00 PM
- **Session IV:** 4:15 – 5:45 PM

Pedagogical Flow

- **Morning:** Exercise and breakfast, followed by classroom teaching.
- **Afternoon:** classroom teaching, tutorial classes, group discussions, and recreational mathematics.
- **Beyond Classes:** Group discussions, yoga sessions, seminars, and cultural activities to foster holistic development

7. Class wise distribution

Training Camp

The training camp will be organized at both the zonal and national levels, with support from the Government or any other supporting bodies or institutions.

Screening Test Selection					
Class (6-8)	Class (9-10)	Class (11-12)	U.G.	P.G.	Total
2160	1440	1440	720	720	6440
Main Test Selection					
Class (6-8)	Class (9-10)	Class (11-12)	U. G	P. G	
318	212	212	103	103	948

8. Budget

A comprehensive financial plan has been prepared to outline all essential expenses required for conducting the training camp. The estimated budget covers every critical component of the programme, including academic resources, logistics, accommodations, meals, travel arrangements, honorarium for resource persons, and administrative support. This structured budgeting ensures the smooth and effective execution of the training camp.

9. Organizing Committee:

An Organizing Committee is hereby constituted to ensure the flawless execution of the Examination and Training Programme. This committee will include esteemed members from the Government or any supporting institutions or organisations and the Indian Mathematics and Science Association (IMSA). The committee members shall jointly decide to plan and execute various aspects of the program, such as scheduling, curriculum development, logistics, enlisting and inviting resource persons, making arrangement transportation, boarding and lodging and participant engagement. It is essential that each committee member is assigned clearly defined roles, responsibilities, and authority, enabling the team to work efficiently toward achieving the programme's objectives and ensuring its overall success.

Coordinators

State	Zonal	National
	<ul style="list-style-type: none">• West Zone:• East Zone• Central Zone• North Zone• South Zone	<p>Dr. Vijay Kumar Secretary, Indian Mathematics and Science Association Email: imsaofficials@gmail.com</p>