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MOMENTUM

📍 बेतियाहाता चौक

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OLYMPIADS

GATEWAY TO GLOBAL RECOGNITION



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India and the Olympiads

Homi Bhabha Centre for Science Education (HBCSE), a national centre of Tata Institute of Fundamental Research (TIFR), is the nodal centre of the country for Olympiad programs in Mathematics and Sciences. The Olympiad programme is run in close collaboration with Indian Association of Physics Teacher (IAPT) and Mathematics Teachers' Association (India), MTA(I).

The program aims at promoting excellence in Science and Mathematics among pre-university students.



Exploring the World of Science



Mathematical Olympiad Program in India

Eligible for Students

Class VIII to XII
(Subject to age criteria)

- **Stage – 1 (IOQM)** : Exam Month: Sep, 30 Integer type Qs, 3 Hrs., Approx. 10,000 selections for RMO (as per region-wise & girls quota)
- **Stage – 2 (RMO)** : Exam Month: Oct, 6 Subjective Qs, 3 Hrs., 350-450 selections
- **Stage – 3 (INMO)** : Exam Month: Jan, 6 Subjective Qs, 4.5 Hrs., 30-35 selections
- **Stage – 4 (IMOTC)** : Lecture & Problem solving sessions for top 30-35 students
- **Stage – 5 (PDC)** : Lecture & Problem solving sessions for 6 selected students
- **Stage – 6 (IMO)** : Problem solving competition at international level accompanied by 4 teachers/mentors



Individual Registrations: Online mode

For details, visit: <https://www.youtube.com/playlist?list=PL8yzSJkwFafNmCdW8bwkj5cGoGWuq0pEg>

IOQM Paper Pattern

Total No. of question = 30 (Integer - answer)

M.M. = 100

Duration = 3 hrs.

Marks	No. of Question	Total
2 marks	10	20
3 marks	10	30
5 marks	10	50

- There is no negative marking
- **Benefits of IOQM**
 - Enhanced Mathematical skills
 - Academic Recognition
 - It allows you to qualify for the next stage RMO

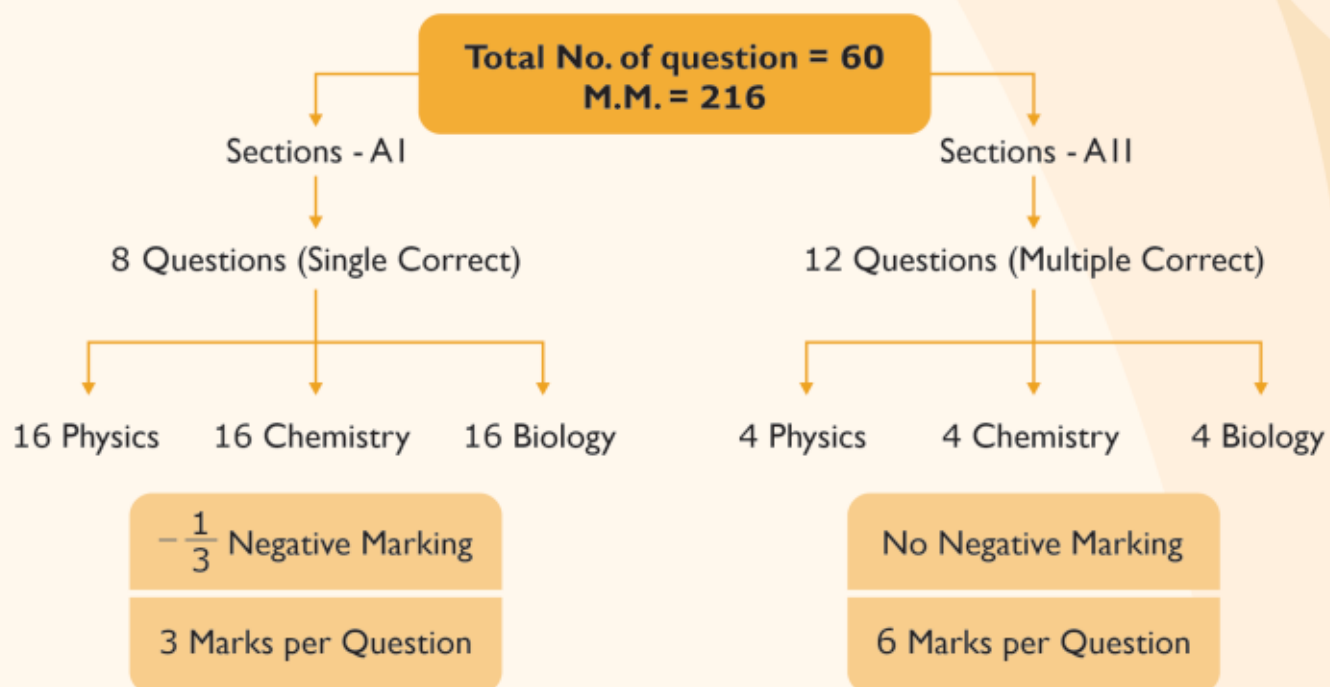


International Junior Science Olympiad (IJSO)

- **Stage-1 (NSEJS)** : Exam Month: Nov, 60 MCQs, 2 Hrs., Approx. 300-400 selections
Eligible for students: Class VIII to X (Subject to Age Criteria)
- **Stage-2 (INJSO)** : Exam Month: Jan, 35 Obj. & Subj., 3 Hrs., Approx. 300-400 examinees (selected from NSEJS), 30-35 selections
- **Stage-3 (OCSC)** : Theoretical & Experimental sessions for top 30-35 students
- **Stage-4 (PDC)** : Theoretical & Experimental sessions for 6 selected students
- **Stage-5 (IJSO)** : Theory & Experiment competition at international level accompanied by 4 teachers/mentors



NSEJS Paper Pattern



Benefits of IOQM

- Early exposure to competitive exams.
- Builds strong conceptual foundation in science.
- National level recognition
- Pathway to IJSO



Other Prominent Olympiads



NSO

National Science Olympiad

IMO

International Mathematics Olympiad

Eligibility: For Class I-XII

Month of Exam: Oct-Feb, Levels-2

All registrations through the schools only.

Website : www.sofworld.org



SZ-iOM

International Olympiad of Mathematics

SZ-iOS

International Olympiad of Science

Eligibility: For Class I-XII

Month of Exam: Nov-June, Levels-3

All registrations through the schools only.

Website : www.silverzone.org



NSTSE

National Level Science Talent Search Examination

Eligibility: For Class II to X and XI (PCM) & XI (PCB) | XII (PCM) & XII (PCB)

No exam for XI, XII PCMB group.

Registrations can be done either through schools or individually.

Website : <http://www.unifiedcouncil.com/>

NSO (L-I) Pattern

Section-I

10 Questions



MAT

11 Marks

Section-II

12 Questions



Physics

12 Marks

11 Questions



Chemistry

11 Marks

12 Questions



Biology

12 Marks

Section-III (Achiever's Section)

2 Questions



Physics

6 Marks

1 Questions



Chemistry

3 Marks

2 Questions



Biology

6 Marks

Marks - 60

Duration - 60 Minutes

IMO (L-I) Pattern

Section
I

MAT

15
Questions

15
Marks

Section
II

**Mathematical
Reasoning**

20
Questions

20
Marks

Section
III

**Everyday
Mathematics**

10
Questions

10
Marks

Section
IV

**Achiever's
Section**

5
Questions

15
Marks

Marks - **60** | Duration - **60 Minutes**



iOS Test Pattern (Class - VIII)

Section-I			Section-II	Section-III
Physics	Chemistry	Biology	Reasoning & Aptitude	Scholar's Zone
NO. OF QS.	NO. OF QS.	NO. OF QS.	NO. OF QS.	NO. OF QS.
7	6	10	7	5
17.5 MARKS	15 MARKS	25 MARKS	21 MARKS	21.5 MARKS

Marks - 100

Duration - 60 Minutes

iOS Test Pattern (Class - IX & X)

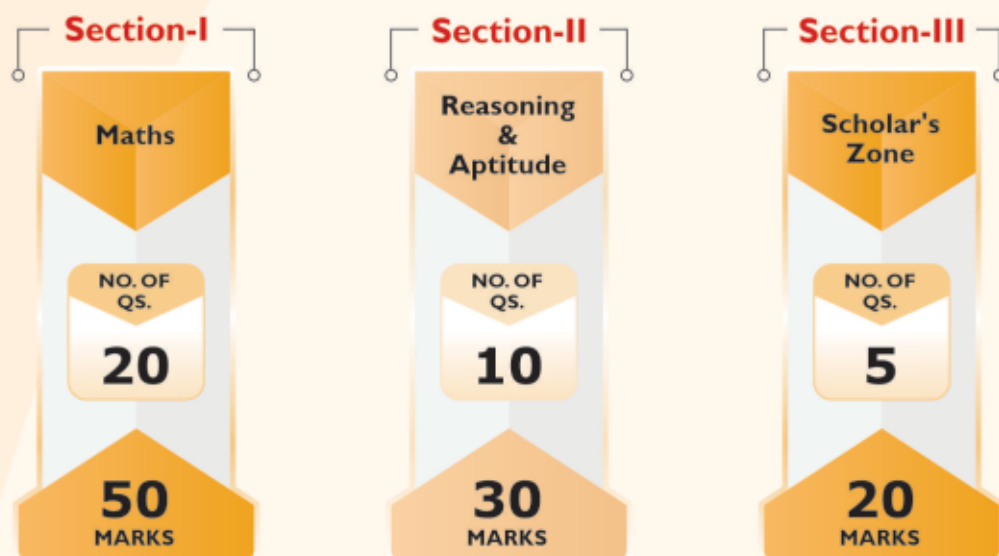
Section-I			Section-II	Section-III
Physics	Chemistry	Biology	Reasoning & Aptitude	Scholar's Zone
NO. OF QS.	NO. OF QS.	NO. OF QS.	NO. OF QS.	NO. OF QS.
9	7	9	10	5
18 MARKS	14 MARKS	18 MARKS	30 MARKS	20 MARKS

Marks - 100

Duration - 50 Minutes



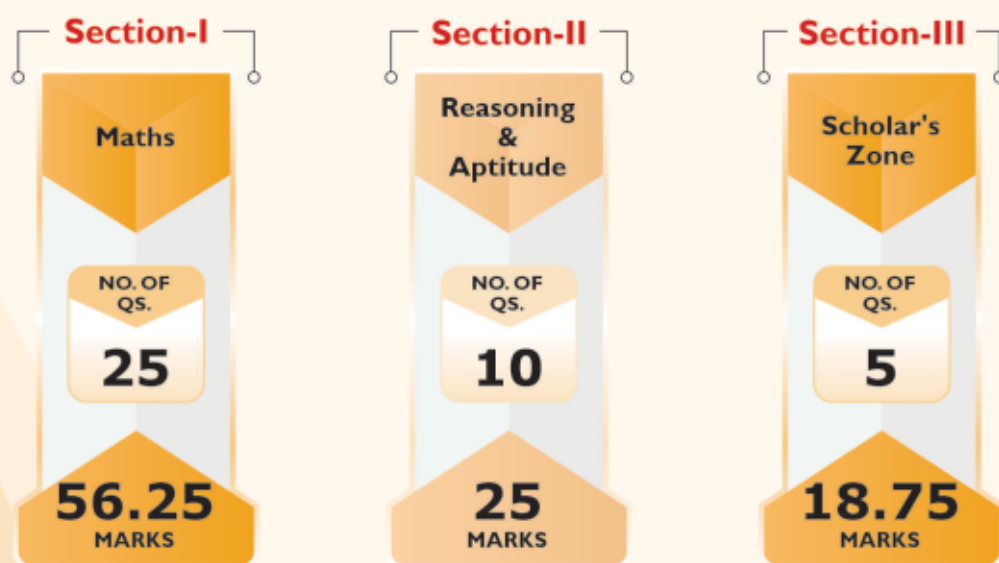
iOM Test Pattern (Class - VIII)



Marks - **100**

Duration - **40 Minutes**

iOM Test Pattern (Class - IX & X)



Marks - **100**

Duration - **50 Minutes**

NSTSE Test Pattern (Class - VI to X)

Subject	No. of Question	Marks
Mathematics	25	25
Physics	25	25
Chemistry	20	20
Biology	20	20
General Questions	10	10
Total Question = 100		Total Marks = 100

- Type of question - MCQ
- Based on CBSE Syllabus
- Mode of Exam - Offline (Paper - based test)
- No Negative Marking
- Time Duration - 90 minutes

Benefits of NSTSE

- Prioritizing conceptual understanding over rote learning.
- Fostering Critical thinking.
- Strengthening foundations in Science and Math.

Indian Talent Olympiads (ITO)



- For class 1st to 10th students.
- School or Individuals
- Exam Mode - Online

Science Olympiad | Maths Olympiad

Exam Pattern

Section	Section-1 Subjective	Section-2 Logical	Section-3 Hot5	Total
No. of questions	35	10	5	50
Marks per question	1	1	1	–
Total marks	35	10	5	50

Registration Fees

- ISO - ₹ 240
- IMO - ₹ 240

Exam conducted in
December - January

Benefits of ITO

- Better Academic Performance.
- Improve Problem - solving skills.
- Build self confidence.

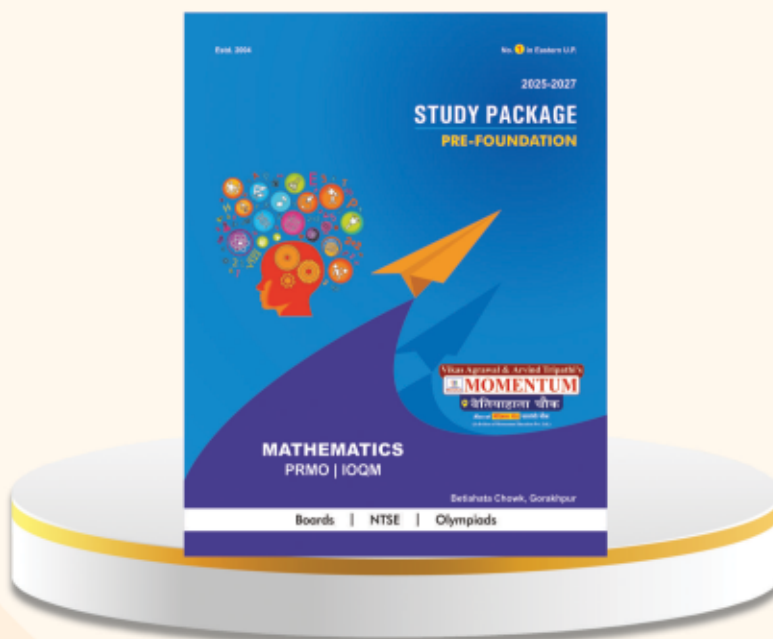


STUDY MATERIAL FOR OLYMPIADS / SCHOLARSHIP EXAMS

Booklets for Olympiads / Scholarship Exam Preparation



Advance Level Question Bank for Maths



Advance Level Question Bank for Science

Given to students of Class VIII, IX & X



TESTS & ASSIGNMENTS FOR OLYMPIADS / SCHOLARSHIP EXAMS

Our Testing Pattern & Assignments for Olympiads / Scholarship Exam Preparation



Improve their skill-set to prepare for both National and International level exams, including NEET/JEE in later stages of their life



Provide tough competition among students across the country



Get a real insight into Olympiad level MCQ / subjective questions and help them qualify eminent Olympiads / Scholarship exams



Provide early exposure of exact paper pattern, enabling them to assess their preparation



BENEFITS OF PARTICIPATING IN OLYMPIADS / SCHOLARSHIP EXAMS

Exposure to Competition and Additional Learning

- ✓ Gateway to Additional Knowledge.
- ✓ Students learn the way to answer differently and confidence to write papers.
- ✓ Competitiveness makes the participants sharp-minded and puzzle solvers.
- ✓ Provides a platform to students to sharpen their skills by tackling problems at a level they are not likely to get in their classroom curriculum.



Integration of Concepts and Application at Early Age

- ✓ Helps in developing tremendous competitive spirit, which gives advantage over peers
- ✓ Olympiads need the student's conceptual knowledge as well as application of those concepts.



Creating Foundation for JEE & NEET

- ✓ Participating and preparing for exams like NTSE, IOQM, NSEJS, NSTSE, NSO, IMO, iOS, iOM help in development of student.
- ✓ It develops Logical and Analytical thinking from very young age which provides foundation for later age when they prepare for JEE, NEET and other competitive exams.



Get Admission in Top Educational Institutes

- ✓ The prestigious examination is the gateway to seek admission in some of the top institutions in the country.



Competitive Analysis

- ✓ Result of Olympiads and Scholarship Exams give students an insight about their performance at school, city, state, national and international level.
- ✓ It helps them in preparing themselves for future competitive exams.



Awards and Recognitions

- ✓ Awards always work as moral booster
- ✓ Prizes for Olympiads winners include cash awards, medals, gifts, certificates etc.
- ✓ In Olympiads, like of SOFworld, Silverzone, Unified Council, the International toppers are awarded at a grand prize distribution ceremony
- ✓ Above all, the proud feeling of representing the state/country at national or international level is the best reward for the student.



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