

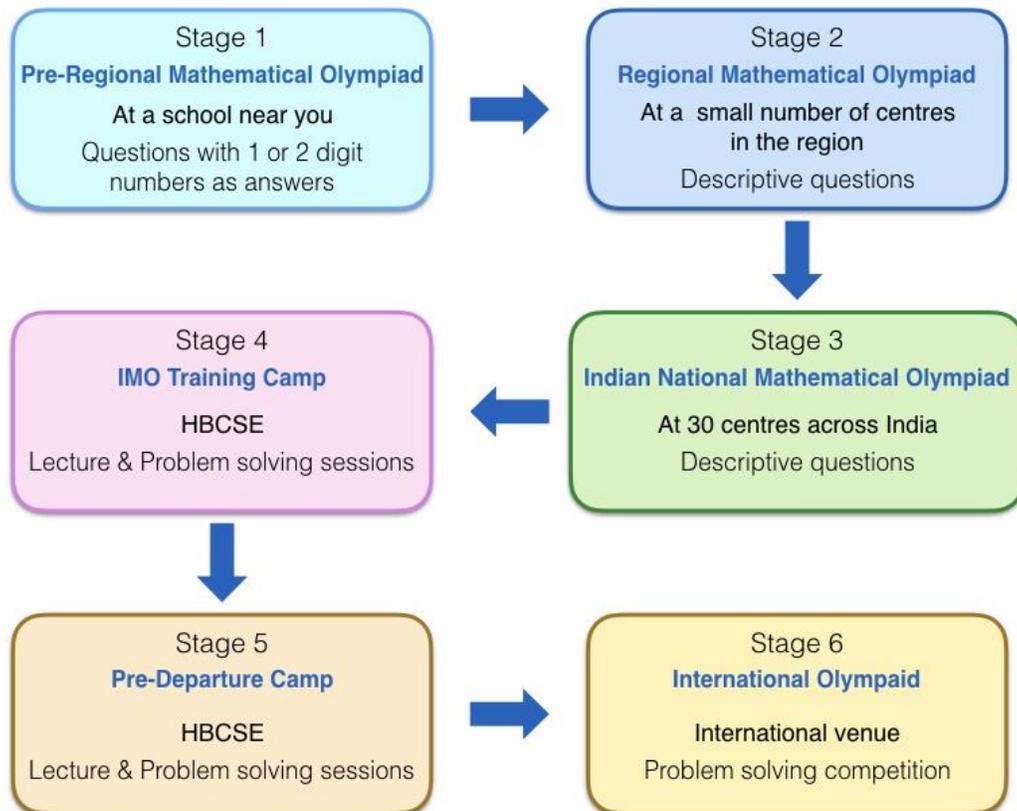
PRMO - 2018

A Detailed Analysis by Resonance

PRMO 2018: The Pre-Regional Mathematical Olympiad (PRMO) Is A National Level Examination Cum Scholarship Programme. The Scholarship Programme Is Conducted By MTA/IAPT And Students Studying In Class XII Or Below Are Eligible To Appear For The **PRMO 2018**. PRMO Was Conducted In Month Of August Across The Nation.

Eligibility: As Per The Eligibility Criteria Of PRMO, Born On Or After August 1, 1999 And All Indian Students Who Are Born On Or After August 1, 1999 And, In Addition, Are In Class XII Or Below Are Eligible To Appear For The PRMO 2018. A Student From Any State Of The Country Can Register For This Examination And Scholarship Scheme. A Student Can Be From A Government Or A Private School.

Stages:



Stage 1:

The first stage examination, the pre-Regional Mathematical Olympiad (PRMO) is a two and half hour examination with 30 questions. The answer to each question is either a single digit number or a two digit number and will need to be marked on a machine readable OMR response sheet. The PRMO question paper will be in English and Hindi.

Queries regarding PRMO may be sent by email to prmo@hbcse.tifr.res.in. Queries will not be replied to individually, but via the FAQ section on this website.

Stage 2:

The second stage examination, the Regional Mathematical Olympiad (RMO) is a three hour examination with six problems. The RMOs are offered in English, Hindi and other regional languages as deemed appropriate by the respective Regional Coordinators. The problems under each topic involve high level of difficulty and sophistication.

Stage 3:

The best-performing students from the RMO (approximately 900) qualify for the third stage – the Indian National Mathematical Olympiad (INMO). The INMO is held on the third Sunday of January at 28 centres across the country.

Stage 4:

The top students from the INMO (approximately 35) are invited for the fourth stage, the International Mathematical Olympiad Training Camp (IMOTC) held at HBCSE during April to May. At this camp orientation is provided to students for the International Mathematical Olympiad (IMO). Emphasis is laid on developing conceptual foundations and problem-solving skills. Several selection tests are held during this camp. On the basis of performance in these tests six students are selected to represent India at the IMO. Resource persons from different institutions across the country are invited to the training camps.

Stage 5:

The selected team undergoes a rigorous training programme for about 8-10 days at HBCSE prior to its departure for the IMO.

Stage 6:

The Olympiad programme culminates with the participation of the students in the IMO. The students are accompanied by 4 teachers or mentors.

Conducting Body:

PRE RMO- MTA (<http://www.mtai.org.in/prmo/>) Through Regional Coordinators

RMO- Regional Coordinators

INMO- HBCSE (olympiads.hbcse.tifr.res.in)

Geographical Regions:

Assam, Chattisgarh, Coastal AP & Rayalseema, Delhi, Gujarat- Daman-Diu-Dadra Nagar Haveli, Jammu, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra and Goa, Meghalaya, Mumbai, North Bihar and Patna, North Western States, Odisha, Rajasthan, South Bihar, Tamil Nadu, Telangana, Tripura, Uttar Pradesh, Uttarakhand, West Bengal.

Special Regions:

CBSE Schools, KV Schools, JNV Schools

Pattern/ Syllabus: The Syllabus Of PRMO Is Not Fixed And Broadly Consist Of Topics Of Algebra, Geometry, Number Theory And Combinatory Till Class XI Level.

Question Paper: The Paper Consisted Of 30 Questions Of Single Or Double Digit Integers To Be Solved In 180 Minutes. The Medium Of Test Is English And Regional Languages. From One To Sixth Each Right Answer Carry Two Marks , From Seventh To Twenty One Carry Three Marks And Twenty Two TO Thirty Carry Five Marks Thus Making The Total Score Of The Candidate In A Test Equal To The Number Of Questions Answered Correctly. There Was No Negative Marking In The Paper.

CLASS WISE MARKS DISTRIBUTION

Subject	Class IX		Class X		Class XI		Total	
	No of Questions	Total Marks						
Mathematics	1	2	13	34	16	66	30	102

OVERALL DIFFICULTY LEVEL ANALYSIS

In this analysis we have rated every question on a Scale of 1 to 3. The ratings are done by expert faculty of Resonance. The individual ratings are then averaged to calculate overall difficulty level.

1: Easy

□ 2: Moderate

□ 3: Difficult

The Difficulty level of the Paper comes out to be 2.30 As per Resonance experts. Out of the total 30 questions, 7 questions were easy, 7 were moderate while 16 questions were difficult.

TOPIC WISE ANALYSIS

Mathematics			
Unit & Topic Name	No Of Question	Total Marks	(%) WEIGHTAGE
Algebra	6	20	19.61%
Combinatorics	7	31	30.39%
Geometry	9	27	26.47%
Number Theory	7	21	20.59%
Trigonometry	1	3	2.94%
Grand Total	30	102	100.00%

EXPECTED CUTOFF

The Cut Off for Expected to be 25 Marks in this paper for Rajasthan Region