

# IMPORTANT INFORMATION

## PRMO 2017

Olympiads

HOMI BHABHA CENTRE FOR SCIENCE EDUCATION

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### Important dates for PRMO 2017

<b>Registration of Centers</b>	<b>20th MAY -20th JUNE 2017</b>
<b>Registration of Candidates</b>	<b>20th JUNE- 25th JULY 2017</b>
<b>Down loading of Admit Cards by the Center in-charge</b>	<b>1st AUG -12th AUG 2017</b>
<b>Date of Examination</b>	<b>20th AUG 2017 between 10 AM and 12.30 PM</b>

### Eligibility of Mathematical Olympiad

All Indian students who are born on or after August 1, 1998 and, in addition, are in Class XI or below are eligible to appear for the PRMO 2017 (leading to International Olympiads in 2018). Class XII students will not be eligible to appear for PRMO.

### Syllabus

#### • **Mathematical Olympiad**

The syllabus for Mathematical Olympiad (regional, national and international) is pre-degree college mathematics. The areas covered are arithmetic of integers, geometry, quadratic equations and expressions, trigonometry, co-ordinate geometry, system of linear equations, permutations and combination, factorization of polynomial, inequalities, elementary combinatorics, probability theory and number theory, finite series and complex numbers and elementary graph theory. The

syllabus does not include calculus and statistics. The major areas from which problems are given are algebra, combinatorics, geometry and number theory. The syllabus is in a sense spread over Class XI to Class XII levels, but the problems under each topic involve high level of difficulty and sophistication. The difficulty level increases from RMO to INMO to IMO.

## Enrollment of Mathematical Olympiad

The Mathematical Olympiad programme follows a four-stage selection procedure beginning with PRMO.

### Enrollment for PRMO:

1. The PRMO will be a machine-correctable test of 30 questions. Each question has an answer which is a number with one or two digits. Sample questions will be put up on this site for the aid of students.
2. The PRMO exam will be organized this year by IAPT (the Indian Association of Physics Teachers), the same association that also organizes the National Standards Examination, which is the first step for participation in the International Physics, Chemistry, Biology, Astronomy and Junior Science olympiads. The website for PRMO is available at <http://www.iapt.org.in/>
3. A link to a portal is available at the IAPT webpage where schools can register as centres; this portal will be open from May 20 to June 20, 2017. Any school with at least 5 registrations can register on the portal as a “registered centre”. However, the list of approved exam centres will be issued by IAPT. Students who register through a given school which is a registered centre may be re-assigned to another nearby exam centre.
4. All Kendriya Vidyalaya, Jawahar Navodaya Vidyalaya and Atomic Energy Central Schools may register as registered centres regardless of the number of students.
5. The list of registered centres will be available on the IAPT website from June 20, 2017.
6. Students can approach one of the approved registered centres and through the centre register for the PRMO exam between June 20 and July 25, 2017 for a fee of Rs. 200. Kendriya Vidyalaya Sangathan has made its schools available as centres free of cost; for KV students there is a provision to register with payment of a fee of Rs. 100.
7. Queries may be sent by email to [prmo@hbcse.tifr.res.in](mailto:prmo@hbcse.tifr.res.in). Queries will not be replied to individually, but via the FAQ section on this website.

Academic Operations

**FIITJEE** Ranchi Centre