

### What is IAPT?

IAPT (Indian Association of Physics Teachers) is an association of Physics Teachers spread through out the country. It was started by Late Dr. D. P. Khandelwal in 1984 and today it has 6500 life members. All the work of this (our) organization is voluntary in character-thus NOBODY is paid any Honorarium or remuneration for ANY WORK of IAPT.

### What is NSEP? NSEC? NSEB? NSEA? or NSEJS?

National Standard Examinations ( NSEP in Physics, NSEC in Chemistry, NSEB in Biology, NSEA in Astronomy and NSEJS in Junior Science) are nationwide examinations organized by IAPT. We have been conducting NSEP for last 28 years by now. NSEP, NSEC, NSEB and NSEA are at CBSE class XII level while NSEJS is at CBSE class X level. These NSEs are the FIRST and THE ONLY SCREENING TESTS leading towards International Olympiads in the respective subjects.

### What are Science Olympiads?

Olympiads are internationally recognized competitions in various fields of knowledge. They are the highest level examinations and are hosted by different countries every year. Participation in any of the Olympiads has worldwide recognition and is considered as a great achievement. International Olympiads are held every year in Mathematics, Physics, Chemistry, Biology, Astronomy and Junior Science.

### How do I go to (or participate in ) the Physics(or Chemistry or Biology or Astronomy or Jr. Science) Olympiad?

You will have to appear for NSEP (or NSEC / NSEB / NSEA/ NSEJS) and then through the Indian National Physics Olympiad (INPhO or INChO or INBO or INAO or INJSO) you may be selected for the further stages of the respective International Olympiad Programme.

### Is there any other way to go to International Olympiads in these subjects?

No! There is none.

### How do I enroll myself for any of these?

You must register from your OWN School / College. The Principal (or Physics or Science Teacher) of your College/ Jr. College / High School will enroll you. He will give you all further

instructions. In case you have any difficulty then refer to our website [www.iapt.org.in](http://www.iapt.org.in). List of all NSE centres of last year ( viz 2013- 14) is available on the website. The name of contact person at the respective centre is also indicated. Enrolment at the centers only.

### No direct enrolment.

### What are the fees?

₹ 100/- per student per subject (per examination) to be paid in cash to the centre in charge. DO NOT SEND ANY MONEY TO IAPT OFFICE. This exam fee cannot be refunded.

### What are the details of the entire selection procedure?

The aim of the first stage examination is to have a wide reach, to progressively increase this reach and to attain nationwide representation for stage II without overly compromising on merit. Hence the selection to the stage II examinations i.e. Indian National Olympiad Examinations (INOs) is based on the following scheme.

**(a) Eligibility Clause:** To be eligible for the Stage II INO exam leading to the International Olympiad, a candidate must secure a score equal to or greater than a Minimum Admissible Score (MAS). The MAS for a given subject will be 50% of the average of the top ten scores in that subject rounded off to the nearest lower integer.

**(b) Merit Index Clause:** There will be a high score called the Merit Index (MI) associated with each subject in Olympiads. The MI in a subject is defined as 80% of the average of the top ten scores in that subject rounded off to the nearest lower integer. All students with a score greater than or equal to the merit index MI for the subject will automatically qualify for INO Stage II examination in that subject. For example, if the average of top ten scores in a certain subject is 92, then 80% of this is 73.6. Then the MI in that subject will be 73. All candidates with a score equal to or above 73 in that subject will automatically qualify for INO stage II.

**(c) Proportional Representation Clause:** Students from all States and UTs need to be encouraged to appear for the first stage examination and a nationwide representation for INO Stage II is desirable. The quota for each State/UT used in National Talent Search Examination (NTSE) 2013-14, a nationwide

competitive examination will be used as the baseline for calculating the number of students qualifying for Stage II INO in each subject from centres in that State or UT. Suppose the NTSE quota is S for a State, and the total for all States and UTs is T, then the total number of students to be selected to INO Stage II from that State would be S/T times 300, rounded off to the nearest higher integer. This number will include those selected on the basis of the Merit Index. In the event of tie at the last position in the list, all students with same marks at this position will qualify to appear for the INO Stage II examination. The selected students must nevertheless satisfy the eligibility clause. The number to be selected from all the centres in each State or UT is available on the IAPT and HBCSE websites.

([www.iapt.org.in](http://www.iapt.org.in);  
<http://olympiads.hbcse.tifr.res.in>)

### (d) Minimum Representation Clause:

Notwithstanding the proportional representation clause the number of students selected for INO from each State and UT must be at least one, provided that the eligibility clause is satisfied.

The above criteria are illustrated with the following examples:

i. Let the quota on the basis of the Proportional Representation Clause (c) for a State S1 be 20. Suppose the number of students satisfying the Merit Index Clause (b) in a subject is 10. These 10 students will qualify for the second stage INO exam in the given subject and an additional 10 students from the State S1 in the given subject will be selected merit-wise, provided they satisfy the Eligibility Clause (a).

ii. Let the quota on the basis of the Proportional Representation Clause (c) for a State S1 be 20. Suppose the number of students satisfying the Merit Index Clause (b) in a subject is 30. In this case, all 30 students will qualify for the second stage INO exam in the given subject, and there will be no further selection from the State S1.

### Are there any other fees for these INOs or camps?

None! You pay only once at the time of enrolment.

### What is the time schedule?

LAST DATE OF ENROLMENT; 15<sup>th</sup> SEPT. 2014.

Examination schedule : Kindly see the table on the backside.

Note that all the five exams are on the same day	Sunday, 23 <sup>rd</sup> November 2014
Probable dates of INOs :	Jan. 31 and Feb. 1, 2015
Expected date of results of INOs :	1st March 2015
OCSCs :	April – June 2015

### Are Old Question Papers Available?

Yes. Set of previous four years question papers with solutions / answers, in Physics, Chemistry, Biology and Astronomy is available, cost ₹ 100. Set of last four years question papers with solutions/answers in Junior Science is available, cost ₹ 50. Send a DD of ₹ 100 or ₹ 50 in favour of **IAPT, payable at Kanpur to**

**Indian Association of Physics Teachers,  
L - 117/302, Naveen Nagar, Kanpur (U.P.) - 208025  
(Tel. 0512 - 2500075, 09935432990)**

Write your name and postal address (with PIN) on the back of D. D. After receiving the DD, the set will be dispatched by Regd. Post or Courier. All queries regarding old question paper sets should be made on above address/ telephone number.

### Are there any CERTIFICATES/ AWARDS?

In each subject,

- Certificates are given to 'top 10%' students of every centre.
- Merit Certificates are awarded to 'top 1%' students in each state, in each subject.
- Special Merit Certificates and a prize (book) will be awarded to 'National top 1%' students in each subject.
- Gold Medals are awarded to the Top 35 students from INPhO, INChO and INBO examinations.

### Chief Co-ordinator of IAPT Exams :

**Prof. M. L. Ogalapurkar, Pune**

### NSE Co-ordinators :

Prof. J. P. Gadre, Pune (Tel.: 09422987884)

Prof. G. Venkatesh, Bangalore (Tel.: 09620807314)

Prof. M. K. Raghavendra, Bangalore (Tel.: 09901111008)

### Central Examination Office :

### Indian Association of Physics Teachers

61, Sheela Vihar Colony, 7 - Heramb Co. Op. Hsg. Society, Next to Kimaya Hotel, Karve Road, Kothrud, Pune - 411 038.

Ph. : 020 - 25420163, 020-20252754

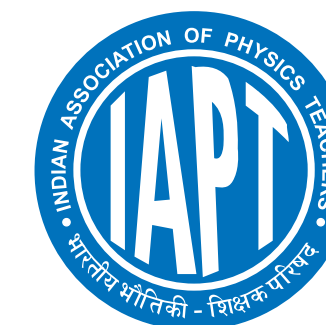
E-mail : [iaptpune@gmail.com](mailto:iaptpune@gmail.com)

Website : [www.iapt.org.in](http://www.iapt.org.in)

EXAM.	NSEP	NSEC	NSEB	NSEA	NSEJS
Day and Date	Sunday 23rd November 2014	Sunday 23rd November 2014	Sunday 23rd November 2014	Sunday 23rd November 2014	Sunday 23rd November 2014
Time of Exam	0930 to 1130 Hrs	1230 to 1430 Hrs	1500 to 1700 Hrs	1500 to 1700 Hrs	1500 to 1700 Hrs
Eligibility (i.e.) who can appear for	Indian Students born on or after 1st July 1995 and studying in std XII or lower as on 30th Nov. 2014	Indian Students born on or after 1st July 1995 and studying in std XII or lower as on 30th Nov. 2014	Indian Students born on or after 1st July 1995 and studying in std XII or lower as on 30th Nov. 2014	Indian Students born on or after 1st January 1996 and studying in std XII or lower as on 30th Nov. 2014	Indian Students born on or after 1st January 2000 and studying in std X or lower as on 30th Nov. 2014
Level of Question Paper	CBSE Std. XII	CBSE Std. XII	CBSE Std. XII	CBSE Std. XII	CBSE Std. X
Language of Question Paper	English Q.P. May also be available in Hindi, Bangla or Gujarati provided there are at least 300 students opting for language	Question Paper will be in English only	Question Paper will be in English only	Question Paper will be in English only	Question Paper will be in English only
Details of Question Paper	Multiple Choice Questions <b>Part A1</b> : Questions with only one correct alternative, each for 3 marks (-1 mark for each incorrect answer) <b>Part A2</b> : Some questions (each for 6 marks) with any number of alternatives (1, 2, 3 or all 4) correct. All the correct alternatives must be marked to get the credit; no negative marking.	80 Multiple Choice questions. Negative mark (-1) for each incorrect answer	80 Multiple Choice questions. Negative mark (-1) for each incorrect answer	80 Multiple Choice questions. Negative mark (-1) for each incorrect answer These questions will be mostly in Physics, Maths and about 20% in Basic Astronomy	80 Multiple Choice questions in Physics, Chemistry, Biology & Mathematics Negative mark (-1) for each incorrect answer
Total Marks	240	240	240	240	240
	<p><b>Please Note :</b></p> <p>1) The eligibility criteria are laid down by authorities(not by IAPT).</p> <p>2) It is your ( the student's ) responsibility to ensure that you satisfy the eligibility norms. If at some later stage it is found that you do not satisfy the norms you will be immediately disqualified without any refund of fees.</p>				

For all queries regarding these exams, students should contact the local person

## For Students



### INDIAN ASSOCIATION OF PHYSICS TEACHERS

### National Standard Examinations in

PHYSICS - NSEP

CHEMISTRY - NSEC

BIOLOGY - NSEB

ASTRONOMY - NSEA

JUNIOR SCIENCE - NSEJS

## 2014 - 2015 Examinations