

Sub part A1 has FORTY questions showing four options and only one of them is correct. (negative marks for incorrect answers) Sub part A2 has TEN questions with four options but any number (1, 2, 3 or all 4) of options may be correct. All the correct options must be marked to get the credit (i.e. marks). Total 180 marks for part A.

The second part called Part B has 5 (or 6) questions which are problems or short answer type. Total 60 marks for part B.

These questions will be based on syllabus upto CBSE class XII.

Physics (NSEP) question paper may be available in *English, Hindi, Bangla and Gujarati* provided there are more than 300 students for that language.

And how are the question papers of Chemistry, Biology?

Chemistry, Biology question papers have 80 Multiple Choice questions, each with single option correct (negative marks for incorrect answers) and they are in English ONLY. Total 240 marks.

These questions will be based on syllabus upto CBSE class XII.

And how are the question papers of Astronomy and Junior Science?

NSEA (Sr Level) question paper contains questions mainly in Physics and Mathematics along with basic Astronomy. This will be upto CBSE std XII level.

NSEA (Jr. Level) question paper contains questions

in Physics, Mathematics and basic Astronomy. This will be upto CBSE standard X level.

NSEJS question paper will contain questions in Physics, Chemistry, Mathematics and Biology upto CBSE class X level. NSEA (Jr. level), NSEA (Sr. level) and NSEJS question papers will be in English only and of 150 marks each. Each of these question papers is divided into two parts. Part A1 contains THIRTY multiple choice questions. Each of these has four options and only one of them is correct (negative marks for incorrect answers). Part A2 contains TEN multiple choice questions. Each of these has four options; but any number (1, 2, 3 or all 4) of options may be correct. All the correct options must be marked to get the credit (i.e. marks).

Evaluation procedure for Physics

Part A is evaluated of ALL the students. Part B is assessed of only those students securing more than a certain "cut-off" marks in part A. Part B is NOT evaluated of ALL the students. Top 300 students eligible to appear for INPhO, are selected on the basis of marks obtained in parts A and B taken together.

Are there any CERTIFICATES / AWARDS ?

- i) In each subject, certificates are given to top 10% students of every centre.
- ii) Merit certificates are awarded to top 1% students of each state, in each subject.
- iii) Special merit certificates will be awarded to National Top 1% students in each subject.

iv) Gold Medals will be awarded to the top 35 students from INPhO, INChO and INBO examinations.

Are old Question papers available?

Physics, Chemistry, Biology : Set of last five years question papers with answers / solutions of NSEP, NSEC and NSEB, is available. To get this, send a DD of Rs. 100/- in favour of IAPT, payable at Pune, to our office. The set will be dispatched by regd. post/courier. Write your name and complete postal address on the back of DD.

Astronomy : Set of last three years question papers with solutions of NSEA (Jr. Level) and NSEA (Sr. Level), is available. To get this, send a DD of Rs. 70/- in favour of IAPT, payable at Pune, to our office. The set will be dispatched by regd. post / courier write your name and complete postal address on the back of DD.

Junior Science : Last year's question paper with answers, is available on our website www.iapt.org.in

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

FOR STUDENTS



**INDIAN
ASSOCIATION
OF PHYSICS
TEACHERS**

National Standard
Examinations in

**PHYSICS,
CHEMISTRY,
BIOLOGY,
JR. SCIENCE &
ASTRONOMY**

(NSEP, NSEC, NSEB, NSEJS &
NSEA)

2009 - 2010

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 5000 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? NSEJS? & NSEA?

IAPT has been conducting National Standard Examination in Physics (NSEP) a nationwide examination for last 23 years by now. NSEP is at the CBSE XII standard level. We also organize NSEC and NSEB. Both these are also at the CBSE Std. XII level.

NSEA (Junior Level) is at the CBSE standard X level while NSEA (Senior Level) is at the CBSE standard XII level. In addition, we also conduct the National Standard Examination in Junior Science (NSEJS) at the CBSE class X level, leading to International Junior Science Olympiad.

These examinations will be the FIRST and THE ONLY SCREENING TESTS towards International Olympiads in the respective subjects.

What is Physics Olympiad?

International Olympiads are held every year in Mathematics, Physics, Chemistry, Biology, Astronomy and Junior Science. The International Physics Olympiad (IPhO) has been organized practically every year since 1967. IPhO is held in a different country every year. India has been participating in IPhO from the XXIXth IPhO held in Iceland in July 1998.

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.

What is the eligibility?

For NSEP, NSEC & NSEB : All Indian students born on or after July 1, 1990 and in addition, who are in class XII or lower as of November 30, 2009, are eligible to appear for NSEP, NSEC and NSEB 2009-2010. Obviously students who have **passed HSC** (i.e. XII or equivalent) are **NOT ELIGIBLE**.

For NSEJS: All Indian students born on or after January 1, 1995 and in addition, who are in class X or lower as of November 30, 2009, are eligible to appear for NSEJS 2009-2010.

NSEA is conducted at two levels : Junior and Senior. All Indian students born on or between January 1, 1995 and December 31, 1996 and in addition, are in class X or lower as of November 30, 2009, are eligible to appear for NSEA (Jr.) 2009-2010.

All Indian students born on or after January 1, 1991 and in addition, are in class XII or lower as of November 30, 2009, are eligible to appear for NSEA (Sr.) 2009-2010.

It is the student's responsibility to determine that he / she satisfies eligibility norms. If at some later stage it is found that the student does not meet eligibility norms he / she may face immediate disqualification from the programme.

Students qualifying from these NSEs only will be eligible for subsequent stages leading to participation in respective International Olympiad 2010.

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

You *will have* to appear for NSEP (or NSEC / NSEB / NSEA / NSEJS) - be in the top 300 students 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.

Is there any other way to go to Physics Olympiad?

No! There is none. Same is true for other Olympiads and their respective NSEs.

How do I enrol myself for any of these?

You must register from your OWN School/College. The Principal (or Physics / 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, refer to our website www.iapt.org.in. List of all NSE centers of last year (2008-2009) is available on this website. DO NOT SEND ANY MONEY TO IAPT. Enrolment at the centers only. **No direct enrolment.**

What are the fees?

Rs. 75/- per student per subject (per examination)
USD 15/- for overseas students.

What are the details of the entire selection procedure?

National Standard Examinations (NSEP in Physics, NSEC in Chemistry, NSEB in Biology, NSEA in Astronomy and NSEJS for Junior Science) will be conducted at about 1000 centres all over India; Thousands of students appear for each subject at

these examinations. TOP 300 students from each of these NSEs will be called for Indian National Olympiads (viz. INPhO, INChO, INBO, INAO or INJSO respectively). Individual letters will be sent to these students informing that they have to appear for Indian National Olympiads (INOs). Students chosen on the basis of their performance at these INOs will be invited to attend Orientation Cum Selection Camp (OCSC) in respective discipline for about 2-3 weeks at HOMI BHABHA CENTRE for SCIENCE EDUCATION, Mumbai. Indian Team(s) to participate in International Olympiad(s) are selected from these OCSC in respective subjects. For more details, please visit www.hbcse.tifr.res.in/olympiads

Are there any other fees for these INOs or camps?

None! You pay only once at the time of enrolment; that's all.

What is the time schedule ?

LAST DATE OF ENROLMENT : 15th SEPTEMBER 2009.

Examination schedule:

NSEP	22nd November 2009	0930 to 1130 Hrs.
NSEC	22nd November 2009	1230 to 1430 Hrs
NSEB	22nd November 2009	1500 to 1700 Hrs
NSEA (Jr. /Sr.)	22nd November 2009	1500 to 1600 Hrs
NSEJS	22nd November 2009	1615 to 1715 Hrs

Note all the five NSE's are on the SUNDAY, 22nd same day November 2009

Probable dates of INOs : 30th and 31st Jan. 2010

Expected date of results of INOs : 1st March 2010

OCSCs : April - June 2010.

What is the format of the Question Paper for NSEP?

The Question Paper in Physics is divided into two parts. Part A consists of multiple choice questions.