

NATIONAL ANVESHIKA EXPERIMENTAL SKILL TEST

INFORMATION BROCHURE- NAEST 23

NATIONAL ANVESHIKA NETWORK OF INDIA (NANI) , a unit of INDIAN ASSOCIATION OF PHYSICS TEACHERS(IAPT), in collaboration with SHIKSHA SOPAN, conducts this unique experimental skill test annually, under the leadership of Dr. H. C. Verma (recipient of the Padmashri award 2020), with the help of its network of 29 Anveshikas all over India.



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Eligibility

The test is conducted in two categories:

Junior: Students studying in any class 9/10/11/12 from any State Board/ Central Board of India. Those who passed class 12 in 2022 and have not joined any course other than B.Sc are also eligible.

Senior: Students doing B.Sc/M.Sc from any affiliated Colleges/ Universities of India. Those who passed B.Sc in 2022 and have not joined any course other than M.Sc are also eligible.

THE VARIOUS ROUNDS OF NAEST

The first round: SCREENING (ONLINE)

STEPS TO PARTICIPATE:

1. Register at the site

naest.shiksha-sopan.org

2. Appear for the screening paper at the online Shiksha Sopan platform on the scheduled date.

The screening paper:

It is a video-based paper. There will be 10 short videos of less than a minute from some observations in our day-to-day life or in the labs. Multiple choice questions having one or more correct answers are framed on basis of the video. The question basically aims to test some concepts of physics.

OFFLINE SCREENING AND PRELIMS

Some Anveshikas also conduct offline screening. For this, the students have to go and appear for the test from the assigned centre. The screening paper will be similar to the one described above.

If they qualify in the screening round, they will enter the prelims. The prelim round will also be held in physical mode at some assigned centre. They have to go there and perform the experiments as per the guidelines given.

The second round: PRELIMS(ONLINE)

Short listed students from the screening round enter into the prelim round after verification of eligibility through Adhaar and marksheets.

In this round the student has to perform three experiments, the write up of which is sent at their homes. They are then expected to make and send a report which includes their observations and analysis and videos.

The unique experiments:

These experiments are designed in such a manner that they can be performed using materials at home. Innovation required in the set-up for these experiments done at home tests the skills of the student.

Semifinal and the final rounds

On the basis of the reports sent by students in the online prelim round or on the basis of their performance in the offline prelim round they are selected for the semifinal round.

A unique opportunity:

This round is held in physical mode in Kanpur for all the selected students under the direct guidance of Dr. H. C. Verma. There they have to perform three new experiments on the set-up which is made in the divine premises of Sopan Ashram.

Students who qualify in the semifinal round go into the final round. to work on new experimental set-ups, where the national winner is then declared.



The prizes

Regional prizes at each centre: (Prelim round)

First: Rs. 1,000

Second: Rs. 750

Third: Rs. 500

National prizes: (Junior and Senior)

First: Rs. 5,000

Second: Rs. 3,000

Third: Rs. 2,000

- *Participation certificates will be issued to all those students who appear for the screening round*
- *The National level prizes are awarded under the scheme of IAPT-Shilpa Nandakumar Memorial Award*
- *The National winners will be felicitated at the National convention of IAPT*

Additional prizes

Sponsored by Pragati foundation, Shiksha Sopan will also give one-time cash awards to the national winners:

Junior Category:

First: Rs. 10,000

Second: Rs. 5,000

Third: Rs. 2,500

Senior Category:

First: Rs. 20,000

Second: Rs. 10,000

Third: Rs. 5,000

- **Scholarship by Pragati foundation of up to Rs. 50,000 per year for four consecutive years for the top three winners in class 9 - 12 group who go for higher studies.**
- **Scholarship amount can be raised to Rs. 80,000 per year based on the adjudged economic condition of the student.**