

NATIONAL ANVESHIKA EXPERIMENTAL SKILL TEST

INFORMATION BROCHURE- NAEEST 2024

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 in physics annually, under the leadership of Dr. H. C. Verma (recipient of the Padma Shri award 2020), with the help of its network of 30 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.

Senior: Students doing B.Sc/M.Sc from any affiliated Colleges/ Universities of India. Those who passed B.Sc in 2023 and have not joined any course are eligible. Those who passed class 12 in 2023 and have not joined any course will also be eligible in the senior category.

NAEST national toppers of previous years will not be 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 about 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 the basis of the videos. The questions basically aim to test some concepts of physics.

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.

Selection through the LEPTON Programme

LEPTON is an offline experiment-based program conducted by the Anveshikas in the various institutions of their regions in which there will be video-based quizzes. Top performers in LEPTON will be eligible for directly participating in the online Prelim round of NAEST 2024 as per the LEPTON norms.

Evaluation process in Prelim round

For the evaluation of the reports, the students will be grouped into various centres. There will be a Centre-wise evaluation of the reports independently at each centre. Each centre topper will be selected for the semifinal round. If the centre topper expresses his/her inability to participate in the semifinals, the same opportunity will be given to the 2nd or 3rd topper.

Semifinal and the final rounds

A unique opportunity:

These rounds are held in physical mode in Kanpur for all the selected students under the direct guidance of Dr. H. C. Verma. In the semifinal round, 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 will 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.**