

NATIONAL ANVESHIKA NETWORK OF INDIA

A Program of Indian Association of Physics Teachers
Working for uplifting Physics Education at all levels

National Coordinator: Dr. H. C. Verma, Ex-Professor, IIT Kanpur

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Dear Principal

IAPT is an organization committed to upgrade the quality of Physics Education in India at all levels. Started in 1984, it has more than 7500 life members and is a workforce to implement several programs enriching Physics education.

Anveshikas are centers for developing innovative experiments related to Physics teaching-learning and promoting experiment-based Physics teaching. There are 25 Anveshikas in India working under the umbrella of **National Anveshika Network of India (NANI)**. ViBha-IAPT Anveshika, the Hyderabad chapter of Anveshika, has nurtured activity-based teaching/learning of physics through a dedicated team of teachers coming from different schools of Telangana for last 7 years.

NANI is conducting **National Anveshika Experimental Skill Test (NAEST)** at all the 25 centers to encourage the culture of doing experiments. NAEST 2019 is being organized at two levels, **(a) School Level, Std 9-12 and (b) College Level, BSc/MSc.** The format of the test is as follows.

Screening

Nominations will be asked from schools/colleges for participating in NAEST. A maximum of 10 nominations per institution will be accepted. In special cases, individual nominations can also be accepted. This does not form a team as the competition is at individual level.

Out of the total nominations received at each NAEST center, screening will be done to select students for the next round through a video quiz containing 10-12 videos. A short experiment will be shown in each video and questions will be asked based on the experiment shown. Based on the answers, students will be selected for Prelims.

Prelims

Each student in Prelims will be required to perform a set of 3 experiments. The evaluating team will evaluate their work based on carefulness in performing the experiment, results obtained, and the analysis done. From each Anveshika, the toppers of the prelims centers at each level (school and college) will move to Quarter final.

Quarter Final

The quarter final will be conducted at SGM-IAPT ANVESHIKA, Kanpur. This will be a written test based on the screening videos and prelims experiments. From this round, one semifinalist will be chosen for each level, from each Anveshika.

Those who do not make it to semifinal will be offered a 2-day Physics Workshop by eminent Resource Persons.

Semi Final and Final

Semi Final and final competition of NAEST will be held at SGM-IAPT Anveshika, Kanpur. The semifinalists will be given another set of experiments to perform. Based on this, certain numbers will be selected for Final round. National Winners will be selected through a third set of experiments from these finalists.

Prizes

National Level:

The National Winners of NAEST 2019 will be invited to the National Convention of IAPT at Prayagraj (Allahabad) to receive the prize in the Prize ceremony.

National winners: Rs 5000/-

National First runner up: Rs 3000/-

National Second runner up: Rs 2000/-

The National level prizes are given as IAPT-Shilpa Nandkumar Memorial Award. The details are in a separate file.

Anveshika level:

For each prelim,

1st prize: Rs. 1000/-,

2nd prize: Rs. 750/-

3rd prize: Rs. 500/-

Special prize: Rs 500/- for topper of prelims from class 9-10, if any.

Important Dates & Venues:

Last date for Receiving nominations from schools – July 31st, 2019

Screening: August 6, 2019

Prelims: August 17, 2019

Quarter Finals: September 14, 2019, Venue: SGM-IAPT Anveshika, Kanpur

Semi Finals: September 14-15, 2019, Venue: SGM-IAPT Anveshika, Kanpur

Finals: September 15, 2019, Venue: SGM-IAPT Anveshika, Kanpur

National Prizes: October 15, 2019.

There is no registration fee.

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