

IAPT National Competition on Essay Writing in Physics (NCEWP - 2020)

Writing makes one perfect, essay writing more so....

NCEWP is one of the three national competitions being held by IAPT every year. The competition is open to participants in two categories viz., students and teachers (including Science Communicators).

Category A - students of Higher Secondary /Jr. College, UG and PG levels;

Category B - teachers of Higher Secondary/Jr. College, UG and PG institutions, also Science Communicators working in recognized institutions.

Essay topic for both the categories is:

“POLLUTION IN OUR COMMUNITY: MEASUREMENTS AND PHYSICAL INSIGHTS”

The idea is to explore the Physics of pollution and ferret out interesting science themes. By community we mean all that which affects our existence or we affect its existence positively or negatively. As a keen scientist you need to share your observations, exploration and investigation. Your essay may be written considering the following points:

- (i) Define the scope and scale of your study

Different types of pollution {you may choose any **two** from the following}

- (a) Air (b) Sound (c) Water and (d) Industrial etc. and their main causes

- (ii) Change in the level of pollution in different seasons (summer/rainy season/winter), what is the science behind such changes?

You may analyze:

(a) Traffic data e.g., no. of two and four wheelers – details; how many using petrol/diesel /CNG; variation of traffic with time (morning/noon/ evening hours)

(b) Sound pollution. It is easy to download an app and measure decibel levels at various crossroads at morning and evening and afternoon for a few days to see the pattern etc. Then you will have a "noise map".

- (iii) The measures taken by various Governments/Agencies to control pollution and outcome of these efforts. How many industries/organizations have followed the norms prescribed by Government?

It may contain other routine items e.g. a brief description and highlights of your study area. You can of course look at all of the above with a scientist's (physicist's) eye. For example, if you are mentioning pollution of air then mention AQI; you may also mention vehicle density (an idea similar to surface charge density). Further you may have a graph showing how the number of vehicles has grown over the decades. You may also optionally provide a maximum of 5 figures/pictures.

General Instructions:

The essay will be limited to 08 pages including figures/tables etc. type-written in the Times New Roman 11-point fonts, with 1.15 spacing. A format is given below:

IAPT National Competition on Essay Writing in Physics: 2020 (NCEWP – 2020)
Topic: - "POLLUTION IN OUR COMMUNITY: MEASUREMENTS AND PHYSICAL INSIGHTS"

Tick Category: A B

Author's Details (with Affiliation & Signature):-

Total No. of Words:-

Key Words (Maximum Five)

All entries will be subjected to the online plagiarism test. Only two entries per institution may be submitted in a category.

Important Changes in the IAPT Essay Competition NCEWP-2020

As you are aware, the announcement of NCEWP- 2020 was published in IAPT Bulletin January 2020 issue (page 19-21). Looking at the Covid-19 scenario, restrictions are expected to continue in the near future. It will be difficult to assemble students at one place and conduct the essay competition following rules of social distancing and other potential protocols. After getting approval from President and General Secretary of IAPT, the following changes have been made:

1. Now all the RC's will conduct the regional level essay competition digitally. Students at all the levels i.e. Higher Secondary/UG/PG can submit their essays through e-mails to President/Secretary/EC member of the respective regional council.

Students will send their entries duly forwarded through respective school/college/institute to the appropriate Regional Council (RC) with all contact details clearly. The RC's will have the initial scrutiny at their level. They will select 2 best essays from each level. Thus each RC will submit 6 best entries to the national competition.

2. Similarly, Teachers & Science Communicators will send their entries through e-mails duly forwarded directly to the Coordinator/Member.

Exception: Retired teachers can self-attest their entry. All entries (in English only) will be scrutinized in all respects, and will be assessed by three evaluators.

The last date for essay submission has been extended to 20th August, 2020.

All RC Presidents, Secretaries and EC members are requested to motivate the participants. Kindly ensure maximum participation in this national competition. For ready reference, the e-mails of committee NCEWP-2020 and various office bearers of RC-1 to RC-22 are given in the table below.

Final entries for the national competition must be submitted in PDF format by e-mail to any one of the following:

1. Prof. S. K. Joshi, Coordinator, NCEWP, Mail id:- joshisantoshk@yahoo.com
2. Dr. Himanshu Pandey, Member, NCEWP, Mail id:- himanshukrpandey@gmail.com
3. Dr. Shivanand Masti, Member, NCEWP, Mail id:- shivanandmasti@yahoo.co.in

Attractive cash prizes plus books / CD will be awarded to the winners separately in categories A and B. Details of the prizes will be decided in consultation with the judges of the competition. Results of the competition NCEWP - 2020 will be declared in the IAPT Bulletin, and will also be mailed to contestants. The prize distribution will take place as a part of the IAPT annual convention to be held at Indore (MP) during 2020.

Prof. S. K. JOSHI (Coordinator, NCEWP-2020)

IAPT Regional Councils RCs (01st January, 2019 to 31st December, 2021)

RC, state(s)	President	Secretary	EC member
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