

## Student Handout

# NATIONAL GRADUATE PHYSICS EXAMINATION (NGPE - 2022)

Conducted by



## INDIAN ASSOCIATION OF PHYSICS TEACHERS

Registered Office : 206, Adarsh Complex, OPR 4, Awas Vikas-1, Keshavpuram, Kalyanpur, Kanpur - 208017

Web: [www.indapt.org](http://www.indapt.org)

**Day, Date & Time of Examination**

**SUNDAY, JANUARY 23, 2022**

**Time : 10.00 AM to 1.00 PM**

**Last Date for Enrolment : November 17, 2021**

**Eligibility for Appearing in NGPE-2022 : Student of B.Sc. I, II and III (Pass/Hons. or Integrated) are eligible.  
(Any one who has already passed B.Sc. is NOT eligible)**

### What is IAPT?

Indian Association of Physics Teachers (IAPT) is an organization of Physics Teachers spread throughout the country. It was started by Late Prof. D.P. Khandelwal in 1984 and today it has more than 8500 life members. All the work of this (our) organization is voluntary in character: Thus No Member is paid any Honorarium or Remuneration for ANY WORK of IAPT.

All work of IAPT and therefore of this examination (NGPE) is VOLUNTARY for all its members.

### What is NGPE?

National Graduate Physics Examination (NGPE) is a voluntary Examination conducted by Indian Association of Physics teachers every year in the month of January throughout India from Kashmir to Kanya Kumari and Kachchh to Kohima at about 270 centers for Graduate students studying Physics since 1989. This examination provides an opportunity to an individual Physics student to sharpen his hold on the subject and to assess the same at all India level. A few of its salient features are listed below:

- Students can apply online on [indapt.org](http://indapt.org) as well as through centre.
- Fully voluntary examination in a stress free environment.
- It provides individual's own assessment at all India level.
- Carry away the question paper both part A, part B and part C.
- Some paper for all B.Sc. I, II and III Year Students with separate national merit.
- Solution in printed form are provided to centre In-charge for each participant.
- The only national level examination testing students in theory & experiment.
- Last Year (2021) Question Paper & its Solution for every centre registered for NGPE 2022.
- Certificate and awards for Toppers.

In case the problems due to Pandemic Covid 19 remains still on the 23.01.2022 the date of examination NGPE-2022 and the examination at the centre could not be possible. Then each examinee has to arrange a desktop, laptop or smart phone with 5 GB internet data for that day and the examination shall be held on his/her own desk at home. he/she has to be ready for this. This will be notified on [www.indapt.org](http://www.indapt.org) by December 1, 2021.

### Eligibility for NGPE - 2022:

Any student studying at B.Sc. I, II and III (Pass, Honours or Integrated) is eligible for the NGPE-2022. To note, any one who has already passed B.Sc. is **not** eligible, however the students, who have enrolled for integrated M.Sc. (Physics) programme of five years or BS programme of four years can appear in this examination when in any of first three years.

### How do I enroll myself for NGPE - 2022?

Any student who desires to enrol him/her for NGPE-2022 should contact his/her Head of Physics Department or any other Senior faculty member in his/her college. The Centre Incharge at the college can enrol its students and even the students from other neighbouring institutions for NGPE. At least ten students must enrol to have a centre. In case this college/Institute is not a registered centre, College Principal / HoD Physics or any senior faculty member may contact Dr. Anil Kumar Singh, Coordinator NGPE (9415630904) or Prof B P Tyagi, Chief Coordinator (Examination) (0135 - 2971255, 09837123716, email : [iaptdn@gmail.com](mailto:iaptdn@gmail.com)) to get the College / Institute / Department registered.

## What are Enrolment charges for NGPE - 2022?

The Enrolment / Registration Charges for NGPE-2022 is: ₹ 150/- (Rupees One Hundred Fifty only) per student. May be paid through Centre-Incharge of your college, **esle a student can pay his fees in Bank as per details below and fill his online enrolment form on [www.indapt.org](http://www.indapt.org)**

Account Name : **Indian Association of Physics Teachers**  
Bank Name : **Central Bank of India, DBS College, Dehradun-248 001**  
Account Number : **3750324600**  
IFSC Code No. : **CBIN0283283**

## Language for NGPE

The question paper of NGPE is available in any of the following languages:  
ENGLISH, HINDI, GUJARATI, TAMIL and TELUGU or any other language provided that one hundred students opt for it.

## Format of the question paper of NGPE-2022

Question paper contains three parts viz. Part A, Part B-I and Part B-II.

Part A contains 25 Multiple Choice Questions (each question for 6 marks; total 150 marks) covering the entire syllabus of B.Sc. I, II and III. Any number of options (1, 2, 3 or all the 4) may be correct. Credit is given only if all the correct options are marked.

Part B-I contains short answered questions for explanation and reasoning, ten in number ( $B_1$  to  $B_{10}$ ) each for 5 marks (answer five to six lines only) total 50 marks.

Part B-II contains Numerical Problems and open ended experimental problems, ten in number ( $P_1$  to  $P_{10}$ ) each for 10 marks, total 100 marks.

## Schedule of NGPE - 2022

Last date for enrolment is November 17, 2021 at the centre

Day and Date of Examination : SUNDAY, January 23, 2022, **Time : 10 AM to 1 PM**

Result : 20<sup>th</sup> March 2022 on: [www.indapt.org](http://www.indapt.org)

## Certificates and awards in NGPE - 2022

Top 10% at Each Centre : Centre Topper Certificate  
Top 1% at the State Level : State Topper Merit Certificate  
Top 1% at National Level : National Topper Merit Certificate + Book Prize  
Top 5 Students in India : Merit Certificate + GOLD MEDAL + ₹ 20,000/- Cash Award

- Top 25 will be eligible for appearing in NGPE Part-C Examination - 2022 (examination in experimental skill) for final selection for GOLD MEDAL and a one time scholarship (Max. 5 in Number) worth ₹20,000/- for pursuing higher studies in Physics. TA is paid and free lodging is arranged for all students called for part C.
- Top 25 will have eligibility for an interview for Admission in Post - B.Sc. Integrated Ph.D. Program in Physical Science 2022 of S N BOSE NATIONAL CENTRE FOR BASIC SCIENCES KOLKATA.  
(Only B.Sc. III year students with more than 60% Marks among top 25).  
For more details see: <http://bose.res.in/admission.htm>, or write email to [admission@bose.res.in](mailto:admission@bose.res.in)
- May get opportunity to attend one week EXPERIMENTAL PHYSICS WORKSHOP organized by IAPT AT KOLKATA (Regional council-15) TA is paid.
- Top 5 to 10 Students of B.Sc. First year (of University 3 Yr. System) shall be eligible to participate in prestigious NATIONAL INITIATIVE FOR UNDERGRADUATE SCIENCE [NIUS] programme of Homi Bhabha Centre for Science Education, TIFR, Mumbai, [This is a Govt. of India, DAE Programme, Summer Camps are organized at Mumbai].
- Top 20 students of B.Sc. I appearing in NGPE-2022 may get an opportunity for two weeks Academic Workshop on Basic Physics at IIT Guwahati (Preferably for those from University 3 B.Sc. System)
- Some more program for toppers may be declared later.

To obtain previous Ten Year Question Papers with complete solution deposit / transfer Rs. 150/- (One hundred fifty only) per set in IAPT account as per Bank details: Name of the account: **Indian Association of Physics Teachers**, Name of the bank : **Central Bank of India**, Branch : **DBS College, Dehradun - 248 001**, Account Number : **3750324600**, IFSC Code : **CBIN0283283**. Then write a mail to [iaptddn@gmail.com](mailto:iaptddn@gmail.com) requesting for papers.

## FOR FURTHER INFORMATION : CONTACT

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### Prof B P Tyagi

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### Local Contact

Tel : \_\_\_\_\_