

## OBJECTIVE

The **All Kerala Physics Talent Search Examination (TSE)** is a statewide competitive examination conducted annually by APT, Kerala, for the undergraduate Physics students to:

- ✓ Enhance and explore student potential towards competitive skill based learning
- ✓ Orient students to inculcate the right scientific attitude towards learning Science, in particular Physics
- ✓ Motivate and orient students towards research and career avenues in Physics by providing opportunities to interact with academicians and scientists

## STRUCTURE OF TSE

The examination consists of two parts:

- ✓ Written Examination and
- ✓ Interview

### Written examination:

The written examination consists of two parts: PART A consists of 75 multiple choice questions based on plus two level Physics (90%) and Mathematics (10%). Choose the correct answer and mark the same in the sheet provided using HB pencil. Time allotted for this part is 100 minutes. There will be **NO** negative marks for wrong answers.

PART B consists of 10 problems which are to be answered in separate sheets provided. No additional sheets will be provided. Time allotted is limited to 60 minutes. Credit will be given for correct steps and formulae.

### Evaluation Criterion

10 percent or the first 100 (whichever is less) among the toppers in PART A will be selected and PART B corresponding to these candidates will be evaluated to prepare the merit list for the interview.

### Interview:

The toppers of the written examination will be called for an interview and the final rank will be based on their performance. No TA/DA will be provided for interview or written examination.

### ELIGIBILITY

Any student of Kerala in his/her 1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> year graduation in B.Sc. Physics or in the first 3 years of integrated MSc programmes can apply.

### AWARDS

- ❖ The first three toppers will be awarded certificates, cash prizes, books and mementos.

**I Rank : Rs.5000/- &  
E C G Sudarshan Medal**

**II Rank : Rs. 4000/-**

**III Rank : Rs. 3000/-**

- ❖ The top scorers will be given opportunities to interact with eminent scientists and academicians which may provide immense exposure to career development
- ❖ Merit certificates and books will be awarded to top 30 students

### HOW TO REGISTER?

Application forms for the Talent Search Examination is available with the regional/centre co-ordinators and can also be downloaded from the website [www.aptkerala.org](http://www.aptkerala.org). The filled-in application forms can be submitted to the regional/centre co-ordinators where the candidate intends to take the examination.

### REGISTRATION FEE

Registration fee is Rs. 60/-. The regional/centre co-ordinator can collect the fees of all students from the respective centre and make payment via online/core banking to

**APT Account No. 10585371156**

**SBI Kottayam**

**IFS Code: SBIN0001891**

In addition to the registration fee, each candidate should pay Rs. 10/- to the regional/centre co-ordinator to meet the local expenses.

**Last Date for Submission of Application:  
15<sup>th</sup> October 2018**

**Date and Time of Examination:  
Saturday 17<sup>th</sup> November 2018  
from 10.00 am to 1 pm**

*The Regional/Centre co-ordinator has to inform the State co-ordinator the **number** of students appearing for the exam on or before **17<sup>th</sup> October 2018**.*

### State co-ordinator – APT TSE 2018:

**Dr. Geetha K,  
Dept. of Physics, Sree Krishna College,  
Guruvayur, Ariyannur – 680 102  
9744956346, [geethadas@gmail.com](mailto:geethadas@gmail.com)**

### Any further details can be had from:

Dr. Titus K Mathew (President, APT)  
9995438460  
Dr. Santhosh Potharay (Secretary, APT)  
9446273069  
Dr. Reshmi R (Vice President, APT)  
9446127331  
Dr. Isaac Paul (Joint Secretary, APT)  
9447061495  
Dr. Asha A.S. (Treasurer, APT),  
9495042275

## UNIVERSITY CO-ORDINATORS:

- Kannur** : Dr. Devadasan K V , 9447372926  
Prof. Vipin V K , 9847473022
- Calicut** : Prof. Anu Kuruvila, 9495224776  
Prof. Basim M B, 9400223489)
- M.G** : Dr. Preema C Thomas, 9747461954  
Dr. Rajeshmon V G 9447719801
- Kerala** : Dr. Jijimon K Thomas , 9447205190  
Prof. Vipin Das V, 9447034759

## REGIONAL CO-ORDINATORS:

- ✓ Dr. Nithyaja B, Govt. College,  
Madappally, 9447719646
- ✓ Dr. Binoy J, Govt. College for Women,  
Thiruvananthapuram; 9495413922
- ✓ Dr. Vikas L S, Govt. Arts College,  
Thiruvananthapuram; 9895617670
- ✓ Dr. Ratheesh Kumar V, MMNSS College,  
Kottayam; 9744868256
- ✓ Dr. Ratheesh R, TKMMC, Alappuzha; 9656365151
- ✓ Dr. Arun Aravind, Bishop Moore College,  
Mavelikara; 9447946947
- ✓ Dr. Lyjo K Joseph, Govt. College, Kottayam;  
9447191048
- ✓ Dr. Minu Joy, Alphonsa College, Palai;  
9747930507
- ✓ Sri. Ramkumar V R, DB college  
Thalayolaparambu; 9497685919
- ✓ Dr. Reshmi R, UC College, Aluva; 9446127331
- ✓ Dr. Nijo Varghese, Sacred Heart College,  
Chalaky; 9496805788
- ✓ Prof. Joe Kizhakoodeen, St. Thomas College,  
Thrissur; 9495355673
- ✓ Prof. C. A. Safeeqe, Sullamussalam Science  
College, Areacode; 9847619616
- ✓ Dr. Sudheesh P, NSS College, Manjeri;  
9961848608
- ✓ Dr. Deepa K, PRNSS Mattanur, Kannur;  
9895604213
- ✓ Mr. Hashim N K, WMO Arts and Science College,  
Muttill; 9447347681
- ✓ Dr. Murali K V, Nehru Arts and Science College,  
Kanhagad; 9446061626

## OTHER APT PROGRAMMES

- ✓ APT Tunes –Official Bulletin of  
APT, Kerala.
- ✓ Theoretical/Experimental Physics  
Workshops for College Teachers.
- ✓ National level online practice tests  
for PG/UG students (NET, JAM).
- ✓ JAM classes at various regional  
centres.
- ✓ APT co-sponsored activities in  
colleges like seminars/talks/quiz.
- ✓ State Level Essay writing  
competition for UG/PG students.

### Workshops completed

Mathematical Methods (5 workshops)  
Classical Mechanics (5 workshops)  
Electrodynamics (6 workshops)  
Quantum Mechanics (6 workshops)  
Experimental Physics (3 workshops)  
Astronomical Data Analysis (4 workshops)  
Designing Physics Teaching Tools series  
(3 workshops)

### Ongoing workshop series

Quantum Mechanics  
Astronomical Data Analysis

### Upcoming series

Statistical Mechanics  
General Theory of Relativity



(A Professional Body of College and  
University Physics Teachers)  
Reg. No. KTM 1051/99

## ANNOUNCES

# ALL KERALA PHYSICS TALENT SEARCH EXAMINATION 2018 (TSE 2018)

on

**17<sup>th</sup> November 2018**

**At Selected Centres  
All Over Kerala**