



C. R. Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS)

Prof. C R Rao Road, UoH Campus, Hyderabad

organizing the **ELEVENTH STATISTICS OLYMPIAD 2019**, as part of the celebrations of the **THIRTEENTH STATISTICS DAY -29th June, 2019**

**Last Date for the online registration is
31st DECEMBER 2018 midnight**

1. With a view to spot the Statistical talent at an early stage, C.R.Rao AIMSCS, takes pleasure in conducting: **“THE ELEVENTH STATISTICS OLYMPIAD 2019”**, a talent search competition in Mathematics and Statistics for students of High Schools and Junior Colleges. The competition will be in the form of a written examination of three hours duration. It will be held on **Sunday, 27th January 2019 between 10.00 A.M and 1.00 P.M** in Hyderabad, Warangal, Khammam, Visakhapatnam, Vijayawada, Tirupathi, Kurnool, Guntur, Kakinada, Mumbai, Pune, Aurangabad, Nagpur, Chennai, Bangalore, Mangalore, Delhi and SriLanka centers.
2. **Eligibility Criteria**
Students who have secured grade A or $\geq 75\%$ marks in Mathematics in previous academic year (2017-18) in any board examination are eligible. The competition is conducted at Two Levels:
 - a) **Junior Level:** Students who are presently studying Class IX and X (2018-19).
 - b) **Senior Level:** Students who are presently studying Class XI, XII and degree 1st year (2018-19).
3. Registration fee is Rs.100/- (OneHundred rupees only).
The candidates should choose any two centers from the list in order of preference.
Mode of Payment: Interested candidates are requested to apply by paying Rs.100/-
Online Mode: Account Name: Director, C R Rao Advanced Institute of Mathematics Statistics and Computer Science, **Account No. 4106000100034593, Punjab National Bank, Hitech City Branch (IFSC Code PUNB0410600)** and enter the transaction number in the application form or **Offline Mode:** by taking **DD of Rs.100/- towards registration fee in favour of “Director, CR Rao AIMSCS” payable at “Hyderabad”** and DD Number should be entered in the application form. **The DD along with the application should be sent by Speed Post to The Director, CR Rao AIMSCS, University of Hyderabad Campus, Prof CR Rao Road, Gachibowli, Hyderabad-500046** and by filling the online registration form available in our website: <http://www.crraoaimscs.org> on or before 31st December 2018. The date of payment and bank details should be entered in the application form. The application without registration fee will not be entertained.
4. At each level, top 3 students will be given Prof. CR Rao and C.Bhargavi Rao Prizes of Rs. 10000, Rs. 7000 and Rs. 5000 on 29th June 2019 during Thirteenth Statistics Day

celebrations at CR Rao AIMSCS, Hyderabad. Also, top performers up to a maximum of 15 students in each level will be awarded merit certificates during the same function.

5. **SCOPE OF THE TEST:** Since the test is in the nature of a talent competition, no special knowledge of any particular syllabus is required. The test questions would not be primarily of any syllabus oriented but of a nature requiring insight, critical approach, logical thinking, the power of application of knowledge in solving problems and a general mathematical maturity and statistics appropriate at that level.
6. The question paper will be in English. Answer scripts will be supplied at the centers. Candidates will have to bring their own pen and instruments box etc. **Calculators/Mobile Phones/Electronic Gadgets are not allowed.** There will be 10 questions in short descriptive in nature and all the questions are to be answered.
7. Interested candidates are requested to apply by filling the online registration form available in our **website <http://www.crraoaimscs.org> on or before 31st DECEMBER 2018 midnight.**

Note: Candidate has to bring 2 (two) copies of the admit card photograph affixed, Xerox copy of the school identity card and Xerox copy of the marks memo displaying the marks obtained in the previous class studied during the academic year 2017-18.

Convener

STATISTICS OLYMPIAD 2019



**CR Rao Advanced Institute of Mathematics, Statistics and
Computer Science (AIMSCS)
University Hyderabad Campus,
Hyderabad – 500046**

11th Statistics Olympiad 2019

Technological applications of Mathematics underpin our daily lives and the central ingredient in making them happen is indisputably computational science. The evolution of both Mathematics and Computer Science today will invariably shape our world tomorrow. Statistics as an axiomatic science is undoubtedly a branch of Mathematics and as an applied science it is an inalienable ally of Computer Science. The range and compass of these sciences is so enormous that they will always challenge the capabilities of the human mind. Discoveries in them will influence the world in ways that one can neither predict nor imagine. Breakthroughs and advances in these sciences will facilitate inventions in all other fields of science. Therefore, there is a need to further for the awareness, power and application of these disciplines. Towards this end Advanced Institute of Mathematics, Statistics and Computer Science was setup in Hyderabad Central University in 2006 and it is befittingly named it after the living legend and one of the most celebrated statisticians of our times, Padma Vibhushan C.R. Rao FRS, former Director, Indian Statistical Institute, Kolkata, and presently Research Professor at University of Buffalo, USA.

Prof PC Mahalanobis, Founder Director, Indian Statistical Institute, (ISI) Kolkata is the father of Statistics who put India not far from the centre of the statistical map of the world. ISI had played a major role in the development of statistics as a separate discipline of study and research and in helping the government in establishing a well-designed national statistical system. Statistics is needed in all our activities, for the individual to make wise decision, for institutions, to seek optimum solutions to their problems and for the government to make short range policy decisions and long range plans for social and economic development. With the advent of information technology, voluminous data is available in business and financial sectors, health sector, medical sciences and environment sciences through web sources, industrial and social sectors. To analyze these data sets for the welfare of society we need a large number of Statisticians and Data Analysts/Scientists. There is acute shortage of Statisticians and Data Analysts/Scientists in India and abroad. Prof. C.R.Rao, who spent forty years of his prime life at the Indian statistical institute developing statistical activities in India, is active even now at the age of 99.

In order to raise awareness of statistics, and to encourage those with an aptitude for number and numerical reasoning to study statistics, Dr C.R.Rao has suggested conducting a statistics Olympiad to spot statistical talent at an early age on similar lines to the continuing Mathematics Olympiad. CR Rao AIMSCS conducted statistics Olympiad for the first time in

the world in 2009 in India and is continuing to do so every year to bring to the attention of students the importance of statistics and the need to produce statisticians for national development.

At each level, top 3 students will be given C R Rao and C. Bhargavi Rao Prizes of Rs. 10000, Rs. 7000 and Rs. 5000 on 29th June 2019 during 13th Statistics Day celebrations at C R Rao AIMSCS, Hyderabad. Also, top performers up to a maximum of 15 students in each level will be awarded merit certificates during the same function.

CR Rao AIMSCS is conducting the 11th Statistics Olympiad examination on Sunday, 27th January 2019. We request the high school students (class IX and X), Intermediate students (XI and XII) and degree 1st year students who have flair for mathematical sciences to write Statistics Olympiad examination to be held on 27th January 2019 at Hyderabad, Warangal, Khammam, Visakhapatnam, Vijayawada, Tirupathi, Kurnool, Guntur, Kakinada, Mumbai, Pune, Aurangabad, Nagpur, Chennai, Bangalore, Mangalore, Delhi and SriLanka centers.