



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

Prof. C R Rao Road, UoH Campus, Hyderabad

organizing the **TENTH STATISTICS OLYMPIAD 2018**, as part of the celebrations of the **TWELFTH STATISTICS DAY - 29th June, 2018**

Last Date for the online registration is 8th January 2018 midnight

1. With a view to spotting Statistical talent at an early stage, C.R. Rao AIMSCS, takes pleasure in conducting: **“THE TENTH STATISTICS OLYMPIAD 2018”**, 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 the 28th January 2018 between 9.30 a.m and 12.30p.m** in Hyderabad, Warangal, Khammam, Visakhapatnam, Vijayawada, Tirupathi, Guntur, Kakinada, Mumbai, Pune, Aurangabad, Nagpur, Chennai, Bangalore, Delhi and SriLanka centers.
2. **Eligibility Criteria**
Students who have secured grade A or $\geq 80\%$ marks in Mathematics in previous academic year (2016-17) 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 (2017-18).
 - b) **Senior Level:** Students who are presently studying Class XI, XII and Degree 1st year (2017-18).
3. Registration fee is Rs.100/- (Hundred rupees only).
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 8th January 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 C R Rao and C. Bhargavi Rao Prizes of Rs. 10000, Rs. 7000 and Rs. 5000 on 29th June 2018 during Twelfth 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.
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 centres. 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 8th January 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 2016-17.

Sd/-
Director Management Services
CR Rao AIMSCS

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



10th Statistics Olympiad 2018

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 an 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 P C 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 98.

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.

CR Rao AIMSCS is conducting the Tenth Statistics Olympiad examination on 28th January 2018. We request the high school students (class IX to XII) who have flair for mathematical sciences to write Statistics Olympiad examination to be held on 28th January 2018 at Hyderabad, Warangal, Khammam, Visakhapatnam, Vijayawada, Tirupathi, Guntur, Kakinada, Mumbai, Pune, Aurangabad, Nagpur, Chennai, Bangalore, Delhi and SriLanka centers.