



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

Prof C R Rao Road, UoH Campus, Hyderabad

*organizing the NINTH STATISTICS OLYMPIAD 2017, as part of the  
celebrations of the ELEVENTH STATISTICS DAY -29<sup>th</sup> June, 2017*

Last Date for the online registration is  
31<sup>st</sup> December 2016 midnight

1. With a view to spotting Statistical talent at an early stage, C.R. Rao AIMSCS, takes pleasure in conducting: **"THE NINTH STATISTICS OLYMPIAD 2017"**, 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 8<sup>th</sup> January 2017 between 9 a.m and 12 noon** in Hyderabad, Vijayawada, Tirupati, Visakhapatnam, Aurangabad (Maharashtra), Pune, Mumbai, Chennai and Bangalore centres.

Centre	Address	Contact Person
Hyderabad	C R Rao AIMSCS, University of Hyderabad Campus, Gachibowli, Hyderabad	Dr PVS Anand 9848226855 Mr V. Ravinder 8686064054
Visakhapatnam	Sri Prakash Vidyaniketan NRI Hospital, Noth Extension Balayya Sastri Layout Seethammadhara, Visakhapatnam	Prof Munuswamy 9849901373 Mr Allu Swamy Naidu 9985432931
Vijayawada	V R Siddhartha Engineering College, Kanuru, Vijayawada	Prof GVSR Anjaneyulu 9490114798 Mr Y. Nagendar 7799661990
Tirupati	Dean, University Academic Audit and Professor, Department of Statistics, SV University, Tirupati	Prof KVS Sarma 9393621901 Mr Kiran Kumar 8008949477
Aurangabad (Maharashtra)	Principal, Government College of Arts & Science, Aurangabad (MS)	Dr Kumud Gore 9225328954 Mr M. Kishore 8977317346
Pune	HoD, Statistics Department, Modern College of Arts, Science & Commerce, Shivaji Nagar, Pune - 411005	Dr Dixit Prakash Gajanan 9922007307 Mr Swapnil Sutar 7066978544
Mumbai	Associate Professor, Bhavan's College, Andheri (West), Munshi Nagar Mumbai - 400058	Mr Prasad G. Patki 9892896746 Mr T. Appalanaidu 8297852575
Chennai	Principal, PS Senior Secondary School, Alarmel Mangapuram, Mylapore Chennai- 600004	Smt Lakshmi Srinivasan 9176631235 Dr U. Yugandhar, 9866215717
Bangalore	ITI CBSE School, Doorvaninagar, Bangalore - 560016	Smt Lakshmi V Rao 9899363949 Mr M. Arun Kumar, OSD 9899363949

### 2. Eligibility Criteria

Students who have secured grade A+ or  $\geq 90\%$  marks in Mathematics in Class VIII or IX or X or class XI of CBSE/ICSE (or Intermediate 1<sup>st</sup> year) or equivalent studied during 2015-16.



**C R Rao Advanced Institute Of Mathematics, Statistics and  
Computer Science (AIMSCS)  
Hyderabad Central University Campus,  
Hyderabad – 500 046**

**Statistics Olympiad 2017**

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 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. We have acute shortage of mathematicians and data 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 at the age of 97.

3. The competition is conducted at Two Levels:
  - a) **Junior Level:** Students who are presently studying Class IX or X during 2016-17.
  - b) **Senior Level:** Students who are presently studying Class XI or XII of CBSE/ICSE or Intermediate 1<sup>st</sup>, 2<sup>nd</sup> Year or Degree 1<sup>st</sup> Year during 2016-17.
4. Registration fee is Rs.100/- (Hundred rupees only).

Mode of Payment:

Interested candidates are requested to apply by paying Rs. 100/- on line to Punjab National Bank, Hitech City Branch (IFSC Code PUNB0410600) payable to Account No. 4106000100034593 and enter the transaction number in the application form or by taking **DD of Rs:100/- towards registration fee in favour of Director, CR Rao AIMSCS payable at Hyderabad and DD Number may please 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](http://www.crraoaimscs.org) on or before 31<sup>st</sup> Dec 2016. The date of payment and bank details should be entered in the application form. The application without registration fee will not be entertained.

5. At each level, top 3 students will be given CR Rao and C Bhargavi Rao Prizes of Rs. 5000, Rs. 3000 and Rs. 2000, on 29<sup>th</sup> June 2017 during Eleventh Statistics Day celebrations at C R Rao AIMSCS, Hyderabad. Also, top students up to a maximum of 20 in each level will be awarded merit certificates during the same function.
6. **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.
7. 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 descriptive in nature and all the questions are to be answered.
8. Interested candidates are requested to apply by filling the online registration form available in our [website http://www.crraoaimscs.org](http://www.crraoaimscs.org) on or before 31<sup>st</sup> December, 2016 **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 2015-16.



Supported by Ministry of Statistics and Program Implementation  
Government of India

*Dr. K. S. Pandey*  
Director  
CR Rao AIMSCS

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. C R Rao AIMSCS is conducting the Ninth Statistics Olympiad examination on 8<sup>th</sup> Jan 2017 at Hyderabad, Vijayawada, Vishakhapatnam, Tirupati, Aurangabad, Mumbai, Chennai, Bangalore and Sri Lanka.

We request the high school students (class IX to XII or Degree 1<sup>st</sup> Year) who have flair for mathematical sciences to write Statistics Olympiad examination to be held on 8<sup>th</sup> January 2017.

The circular for the students giving the details of eligibility criteria is enclosed.

## NINTH STATISTICS OLYMPIAD

- 1 With a view to spotting Statistical talent at an early stage, C.R Rao AIMSCS conducts Statistics Olympiad every year since 2009. The Olympiad is a talent search competition in Mathematics and Statistics for students of high school and junior colleges. The competition will be in the form of a written examination of three hours duration. This year it will be held in Hyderabad, Vijayawada, Tirupathi, Vishakhapatnam, Aurangabad, Mumbai, Pune, Bangalore, Chennai and Sri Lanka.
- 2 **Eligibility Criterion**  
Students who have secured grade A+ or  $\geq 90\%$  marks in Mathematics in Class VIII or IX or X or class XI of CBSE/ICSE (or Intermediate 1<sup>st</sup> year) or equivalent studied during 2015-16.  
The competition is conducted at Two Levels:
  - c) **Junior Level:** Students who are presently studying Class IX or X during 2016-17.
  - d) **Senior Level:** Students who are presently studying Class XI or XII of CBSE/ICSE or Intermediate 1<sup>st</sup>, 2<sup>nd</sup> Year or Degree 1<sup>st</sup> Year during 2016-17.
- 3 At each level, top 3 students will be given CR Rao and C Bhargavi Rao Prizes of Rs.5000/- Rs.3000/- and Rs.2000/- at the Statistics day celebration on 29<sup>th</sup> June 2017 at C R Rao AIMSCS, Hyderabad. Also top students up to a maximum of 20 in each level will be awarded merit certificates during the same function.
- 4 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 and logical thinking.
- 5 The power of application of knowledge in solving problems and a general mathematical maturity in Mathematics and Statistics appropriate at that level is needed.
- 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 descriptive in nature and all the questions have to be answered.
- 7 Interested candidates are requested to apply by paying Rs. 100/- on line to Punjab National Bank, Hitech City Branch (IFSC Code PUNB0410600) payable to Account No. 4106000100034593 and enter the transaction number in the application form or by taking ***DD of Rs:100/- towards registration fee in favour of Director, CR Rao AIMSCS payable at Hyderabad and DD Number may please 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 31<sup>st</sup> Dec, 2016. The date of payment and bank details should be entered in the application form. The application without registration fee will not be entertained.