

MATHEMATICAL OLYMPIAD

DEPARTMENT OF MATHEMATICS

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

COCHIN-682 022

The National Board for Higher Mathematics (NBHM), a unit of Department of Atomic Energy, Government of India has been organising Mathematical Olympiads in our country, first at the regional level and then at the national and international levels, since 1988. In Kerala, this event is being co-ordinated since 1990.

OBJECTIVES: To spot talented students who have the capacity for original and critical thinking and encourage them to choose a career in mathematics and also to select an Indian team for the International Mathematical Olympiad.

ELIGIBILITY: Mainly, students of standard XI/XII and a few exceptionally talented students of standard X.

SYLLABUS: Roughly of the plus two level. Thrust areas will be **Geometry, Number Theory, Algebra and Combinatorics.** The questions will be quite challenging. **There is no prescribed syllabus.**

REGIONAL MATHEMATICAL OLYMPIAD: (R.M.O.): RMO-2011 will be held on **Sunday, 4th December, between 1 p.m. and 4 p.m.** at Trivandrum, Quilon, Kottayam, Alleppey, Kottarakkara, Ernakulam, Irinjalakkuda, Trichur, Palghat, Calicut, Malappuram, Cannanore and Kasaragod. **Proposals for new centres will be considered.**

INDIAN NATIONAL MATHEMATICAL OLYMPIAD (I.N.M.O.): About 20 students (a maximum of 6 from class XII) will be selected for INMO, to be held in February 2012 at Cochin University Campus.

INTERNATIONAL MATHEMATICAL OLYMPIAD (I.M.O.): About 30 toppers of INMO-INMO awardees will be invited for a training camp to select an Indian team for IMO-2012 to be held in Argentina. IMO 2011 was held in Holland where India, secured 1 Gold, 1 Silver and 2 Bronze medals.

PRIZES, SCHOLARSHIPS AND FOLLOWUP PROGRAMMES:

- ♦ **Five toppers** of RMO will be awarded a cash prize of Rs. 2000/- each sponsored by the **Kerala State Council for Science, Technology and Environment (KSCSTE)**
- ♦ **Five toppers** of RMO will be awarded "**Professor C.S. Venkataraman Memorial Prizes**" and many other attractive gifts.
- ♦ All students selected for INMO will be given merit certificates.
- ♦ INMO awardees are eligible for NBHM scholarships for higher studies.

HOW TO APPLY: **There is no prescribed application form.** Principals of recognised schools shall forward the list of participants indicating their names, medium of Instructions, class, residential address, phone numbers, e-mails and the centre along with a **registration fee of Rs. 30/-** each by D.D. (**drawn in favour of Regional Co-ordinator, INMO payable at SBT CUSAT Campus branch only**).

This programme is funded by the DAE, CUSAT and KSCSTE.

NB: Applications endorsed by the authorities should reach the Joint Co-ordinator, latest by 25th October 2011

For old Q-papers and an information brochure, write along with Rs. 25/- stamped, self addressed envelope of size at least 10 x 8 to

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Olympiad Website: www.hbcse.tifr.res.in/olympiads
(Q-papers can be down loaded from this site)

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