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**Central Board of Secondary Education**

## **BACKGROUND INFORMATION**

Mathematical Olympiads are the competitions conducted by different organisations to identify, encourage, promote and nurture the talent in mathematics at state, regional, national and international levels.

After having been accorded the status of an independent group by National Board of Higher Mathematics (NBHM) in 1997, Central Board of Secondary Education, Delhi has been conducting CBSE group Mathematics Olympiad for students studying in its affiliated schools.

The said competition will be conducted on 2<sup>nd</sup> December, 2012 at different centres located in different parts of the country. Top 30 students from CBSE group will then participate in Indian National Mathematical Olympiad (INMO) conducted by National Board of Higher Mathematics (NBHM). Selection at National level leads to participation at the International Mathematical Olympiad.

## **OBJECTIVES OF MATHEMATICAL OLYMPIAD**

The role of mathematics cannot be denied in the age of rapid technological advancements and innovations. The broad objectives of conducting Mathematical Olympiad include:

- Identifying talent in Mathematics
- Providing opportunities to young and talented students to solve challenging problems in Mathematics
- Promoting excellence in Mathematics
- Encouraging talented students to pursue careers in the fields related to Mathematics

## **WHO CAN PARTICIPATE IN CBSE GROUP MATHEMATICAL OLYMPIAD**

- a) Any student studying in class XII, XI, X or IX can participate in the competition. However, there will be a common question paper for all participants. Bright students from class VIII may also appear in RMO.
- b) A school can sponsor upto five students for the competition.
- c) The five students should be selected strictly on the basis of a screening test conducted by the school itself.

## **FEE TO BE PAID**

Every sponsored candidate shall remit a sum of Rs. 55/- as entry fee for the examination. The fee of the candidates should be forwarded by the principal of sponsoring school to the venue principal (centre) in the form of demand draft in favour of the principal of the venue school. The list of state coordinators (venue schools) appears at the end of this folder.

## **DATE OF EXAMINATION**

- a) Sixteenth CBSE Group Mathematical Olympiad 2012 will be held on Sunday, 2<sup>nd</sup> December, 2012 at the centre notified at the end of this folder.
- b) The duration of the examination will be 3 hours (1:00 pm to 4:00 pm)

## **LAST DATE FOR APPLYING**

The fee along with desired information about the sponsored students should reach the state coordinator by 10<sup>th</sup> October, 2012. **In no case should the fee or documents be sent to the Board.**

### **HOW TO APPLY?**

- a) The head of the participating schools will forward the names of sponsored students to the state coordinator nominated by the Board
- b) The information about the sponsored candidates including name, father's name, date of birth, school address, class, residential address, total marks obtained in the class one lower than in which he/she is studying, should be sent to the state coordinator along with the fee before the last date.
- c) The sponsored candidates should be bonafide students of the institution
- d) The admit card to be issued by the sponsored school should have complete information about the students.
- e) The admit card should also carry the signature of the student and his/her latest photograph duly attested by the principal.

### **VENUE FOR THE EXAMINATION**

- a) The Group Mathematical Olympiad will be held at one or two venues in each state as listed in the folder.
- b) Every candidate is required to appear at the venue in his/her state only. No change of venue for the examination will be admissible.
- c) Every candidate has to bear the expenditure for his/her transport, board and lodging etc.
- d) In case of candidates studying in gulf schools, the schools will have to make arrangement for candidates to appear at the identified centre.
- e) The state coordinator will inform all the participating schools about the roll nos. of the candidates, exact venue, date of examination, time of examination and the other details

### **MEDIUM OF EXAMINATION**

The question paper will be made available in **English** medium. The candidates are required to answer in English only.

### **SYLLABUS AND PATTERN OF EXAMINATION**

There is no specific syllabus for the examination. Areas of school mathematics such as algebra, geometry, basic number theory, trigonometry, arithmetic, combinatorics etc. are to be prepared for the test. The question paper will consist of 6-7 questions of non-routine nature.

### **CONDUCT OF GMO**

- a) The coordinator will act as the Centre Superintendent. For the examination at his/her centre. He/she will appoint invigilator as per CBSE examination norms.
- b) In addition to invigilators the Centre Superintendent may appoint one clerk/peon for the conduct of the examination.

### **QUESTION PAPER**

- a) The question papers will be sent by CBSE to the state/regional coordinator directly in advance.
- b) The coordinator shall keep the sealed paper in his/her safe custody till the commencement of examination. The sealed packets containing the question paper should be opened only half an hour before the start of examination.

## MERIT LIST

The answer sheets of candidates who appear in CBSE GMO will be evaluated at CBSE Headquarters. CBSE will select 30 candidates strictly in order of merit. Only the selected candidates will be informed about the result and will be eligible to appear in the Indian National Mathematical Olympiad conducted by NBHM. The name of the selected candidates will be communicated to respective schools as well as NBHM for further necessary action.

### **List of Venues/ State Coordinators**

<b>STATE</b>	<b>CODE</b>	<b>VENUE</b>	<b>STATE CO- ORDINATORS</b>
<b>Delhi</b>	DL	Delhi	The Principal S.D Public School, BU-Block, Pitampura, New Delhi- 110017 Phone No. 011-2747345, 27344932 <a href="mailto:sdpublic_school@yahoo.co.in">sdpublic_school@yahoo.co.in</a>
<b>Rajasthan</b>	RJ	Jaipur	The Principal Bhartiya Vidya Bhavan's Vidyashram Opp. OTS, KN Munshi Marg Jaipur-302015. Phone No. 0141- 2707859, 2702006, 0141-271158(Fax) <a href="mailto:principal@bhavansvidyashram.org">principal@bhavansvidyashram.org</a>
<b>Chandigarh, Haryana, Himachal Pradesh</b>	CH	Chandigarh	The Principal DAV Public School, Sector-8C, Chandigarh, Phone NO. 0172-2548269, 2698757, <a href="mailto:davps8chd@yahoo.com">davps8chd@yahoo.com</a>
<b>Punjab and Jammu &amp; Kashmir</b>	P	Jalandhar	The Principal MGN Public School Adarsh Nagar, Jalandhar, Punjab Phone No. 0181-2254463, 2254464 <a href="mailto:mgnps@yahoo.in">mgnps@yahoo.in</a>
<b>Uttar Pradesh</b>	UP	Lucknow	The Principal Rani Laxmi Bai Memorial School Sector XIV, Indira Nagar, Lucknow , (U.P), Phone No. 0522- 2359059, (R)2701427, (Fax)2359868 <a href="mailto:rlb14in@rediffmail.com">rlb14in@rediffmail.com</a>
<b>Uttar Pradesh</b>		Meerut	The Principal Dewan Public School 220, Westend Road, Meerut, (U.P) Phone No. 0121-2573636, 2653935 <a href="mailto:dewanschool@indiatimes.co">dewanschool@indiatimes.co</a>
<b>Gujarat</b>	G	Baroda	The Principal Navrachna Higher Secondary School Shama Road, Baroda, Gujarat Phone No. 0265-2791643, 2783766 <a href="mailto:navrachanasama@navrachana.edu.in">navrachanasama@navrachana.edu.in</a>
<b>Maharashtra and Goa</b>	M	Nagpur	The Principal Bhavan's B.P. Vidya Mandir, Lala Lajpat Rai Marg, Civil Lines, Nagpur, Maharashtra-440001 O- 0712-2521986, 2543143 <a href="mailto:bvm0104_ngp@bsnl.in">bvm0104_ngp@bsnl.in</a>
<b>Karnataka</b>	KR	Bangalore	The Principal Jain International Residential School Jakkasmundra Post, Kanak Pura, Bangalore Rural Distt. 562112, Karnataka Phone No. 080-27577013, 27577050 <a href="mailto:info@jirs.ac.in">info@jirs.ac.in</a>

<b>Kerala</b>	K	Cochin	The Principal Chinmaya Vidyalaya Vaduthala, Ernakulam Cochin, Kerala-6820023 Phone No. 0484-2402861, 2400616 R- 0484-2363165 <a href="mailto:chinmayavidyalaya@bsnl.net">chinmayavidyalaya@bsnl.net</a>
<b>Tamil Nadu</b>	TN	Chennai	The Principal Chinmaya Vidyalaya Vaduthala, Taylor's Road Kilpauk, Chennai-600010, Tamil Nadu Phone No. 044-26460631, 28363379, 26460722 R-044-2236491, 26442393 <a href="mailto:Sathya54@gmail.com">Sathya54@gmail.com</a>
<b>Andhra Pradesh</b>	AP	Hyderabad	The Principal Bhartiya Vidya Bhavan's Public School Road No. 71, Jubilee Hills Hyderabad, Andhra Pradesh-500034 Phone No. 040-23544934 R-040-23607476 Fax-040-23600200 <a href="mailto:bvbpsjh@rediffmail.com">bvbpsjh@rediffmail.com</a>
<b>Jharkand</b>	JH	Bokaro	The Principal Delhi Public School Sector IV, Bokaro Steel city, Bokaro, Jharkhand Phone No- 06542-233544, 231566 E-mail: bko_dpsbsc@sancharnet.in , bokaro@dpsfamily.org , <a href="mailto:info.dpsbokaro@gmail.com">info.dpsbokaro@gmail.com</a>
<b>Uttaranchal</b>	UT	Dehradun	The Principal Pestle weed College Oak Hill Estate, Mussorie Diversion Road, Dehradun, Uttranchal-248009 Phone No. 0135-2734336, 2733047, 2734581, 2374167 <a href="mailto:pestleweed_2k@yahoo.com">pestleweed_2k@yahoo.com</a>
<b>Madhya Pradesh and Chattisgarh</b>	MP	Bhopal	The Principal Jawahar Lal Nehru School BHEL, Habibganj, Bhopal Madhya Pradesh-24 Phone No- 2505375, 0755-2485026 <a href="mailto:jnsvri@yahoo.com">jnsvri@yahoo.com</a>
<b>West Bengal</b>	WB	Kolkata	The Principal Apeejay school 115, Park Street, Kolkata, West Bengal-700016 Phone No. 033-22298893, 22291779 <a href="mailto:ritachatterjee@apeejaygroup.com">ritachatterjee@apeejaygroup.com</a>
<b>Bihar</b>	B	Patna	The Principal Loyola High School Kurji, P.O. Sadaquat Ashram. Patna, Bihar-800010 Phone No. 612-2262272, 2272975 <a href="mailto:loyolapat@yahoo.com">loyolapat@yahoo.com</a>
<b>Orissa</b>	O	Bhubaneshwar	The Principal DAV Public School Chandrashekarapur Bhubaneshwar, Orissa Phone No. 0674-2740651, 2740340 <a href="mailto:davcspur@gmail.com">davcspur@gmail.com</a>

<b>Assam</b>	A	Guwahati	The Principal Kendriya Vidyalaya Borjhar Guwahati Assam-781017 Phone No. 0361-2840324 <a href="mailto:prikvb@yahoo.com">prikvb@yahoo.com</a>
<b>Arunachal Pradesh</b>	AR	Itanagar	The Principal Gyan Ganga Vidyapeeth Chandra Nagr, Itanagar-791111 Phone No. 0360-2006399, R-2006398 Mob.No.9436050057 <a href="mailto:Gyaneducation@gmail.com">Gyaneducation@gmail.com</a>
<b>Sikkim</b>	S	Gangtok	The Principal Kendriya Vidyalaya Radang Gangtok-737102, Sikkim Phone No. 03592-232646 R- 03592-231255 <a href="mailto:kvgangtok@yahoo.com">kvgangtok@yahoo.com</a>

### CENTERS ABROAD

<b>Qatar</b>			The Principal The Ideal Indian School Doha,Qatar P.O Box 2836, Phone No. 00974-4684849 <a href="mailto:idealsch@qatar.net.qa">idealsch@qatar.net.qa</a>
<b>Saudi Arabia</b>			The Principal The International Indian School, Post Box No.3320,Dammam Eastern Province,AlKhobar-31952,Kingdom of Saudi Arabia Phone No.0096614934688 <a href="mailto:iisdammam@hotmail.com">iisdammam@hotmail.com</a>
<b>Muscat</b>			The Principal The Indian School P.B.No. 2470 Ruwi, PC-112, Muscat Sultanat of Oman Phone No. 00968-706046 R-0096824702567/ 24799567 <a href="mailto:ismoman@omantel.net.om">email-ismoman@omantel.net.om</a> , <a href="mailto:ismprincipal@gmail.com">ismprincipal@gmail.com</a>
<b>Bahrain</b>			The Principal The Indian School Manama,Bahrain,ISATown P.B.No-558,Ph.No-00973-17681457,17684166 <a href="mailto:principal@indianschool.bh">principal@indianschool.bh</a>
<b>UAE</b>			The Principal Abu Dhabi Indian School Post Box no. 46492, Abu Dhabi,UAE Ph.No- 00971-24488025 <a href="mailto:adiscbse@emirates.net">adiscbse@emirates.net</a> , <a href="mailto:ncvijayachandra@gmail.com">ncvijayachandra@gmail.com</a>
<b>Dubai</b>			The Principal The Indian High School Post Box. 106,Dubai, UAE Phone no. 009714-3377475-219 <a href="mailto:indiansc@emirates.net.ae">indiansc@emirates.net.ae</a>