Preface

Preparing for competitive exams helps identify scholastic talent in students. Identifying their skill level earlier is not the same as putting pressure on a student to suddenly turn into a prodigy. Aptitude needs learning and practice to reach its full potential. Preparing for competitive exams is about helping your child be the best he can. The classroom environment gives ambition and motivation to work hard in a competitive environment.

The list of competitive exams in different classes is as follows:

<table>
<thead>
<tr>
<th>Class VIII</th>
<th>Class IX</th>
<th>Class X</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSE</td>
<td>NSEJS</td>
<td>NSEJS</td>
</tr>
<tr>
<td>NSTSE</td>
<td>NSTSE</td>
<td>NSTSE</td>
</tr>
<tr>
<td>NSO &amp; RMO</td>
<td>NSO &amp; RMO</td>
<td>NSO &amp; RMO</td>
</tr>
<tr>
<td>MTSE</td>
<td>IJSO</td>
<td>IJSO</td>
</tr>
<tr>
<td>NEMC (Pravinya and Pradanya)</td>
<td>HBBVS (Homi Bhabha)</td>
<td>Ace of Pace</td>
</tr>
</tbody>
</table>

The focus of competitive exams is to impart factual knowledge and develop the required intellectual skills to apply that knowledge. The curriculum of these exams aims to concretize what was already learnt and takes the students to the next level. These develop the ability for independent work, and objective thinking in students. Appearing in these competitive exams also brings a sense of order for most students.

Most competitive exams follow a combination of an Aptitude component and a subject knowledge component. The aptitude component is based on raw problem solving skills, analytical ability, not directly related to school curriculum. The question format also tests logical thinking. The subject knowledge component focuses on advanced extension of regular math’s and science school curriculum that can be mastered only by regular practice.

Team Foundation Builder
IITian’s PACE
National Talent Search Examination is a flagship activity of the NCERT started in the year 1963. The purpose of the scheme was to identify talented students and nurture their talent. Talent refers to the potentiality that manifests itself in a high level of performance in one or more specialized areas. The scheme, therefore, covers areas like Sciences, Social Sciences, Engineering, Medicine, Management and Law. It honors and helps talented students by providing financial assistance in the form of a monthly scholarship. For the courses in Basic Sciences, Social Sciences and Commerce, this assistance is provided up to Ph.D. level. For professional courses like Engineering, Medicine, Management and Law this assistance is given only up to Post Graduation. The NCERT conducts the National Talent Search Examination for students studying in Class VIII only.

**SCHOLARSHIPS:**

On the basis of the examination conducted, 1000 scholarships will be awarded for each group of students appearing for Class VIII examinations. The amount of scholarship will be Rs.500/- per month as per NTS rules.

**RESERVATION:**

15% scholarships will be reserved for students belonging to the SC category, 7.5% scholarships for students belonging to the ST category and 3% for Physically Challenged Group of Students.

**SELECTION:**

There will be two-stage selection process for award of scholarship. For Stage-I, selection will be done by States/UTs through a written examination. Students who qualify Stage I will be eligible to appear for Stage II examination conducted by NCERT.

The States/UTs will also conduct the selection test for National Means-cum-Merit Scholarship Scheme along with the Stage-I written examination for NTS.

**IMPORTANT DATES:**

Tentative Dates of examination are given below:

- Stage I (State Level) — Mid-November 2012
- Stage II (National level) — May 2013
ELIGIBILITY:

Students of Class VIII studying in recognized schools are eligible to appear for the respective Class VIII Stage I examination conducted by the States/UTs in which the schools are located. There will be no domicile restriction.

EXAMINATION:

The pattern of written examination for Class VIII will be as follows:

**Stage I**
Examination at the State/UT level will comprise of two parts, namely (a) Mental Ability Test (MAT) and (b) Scholastic Ability Test (SAT) covering social sciences, sciences and mathematics.

**Stage II**
Examination at the National level will comprise of (a) Mental Ability Test (MAT), (b) Scholastic Ability Test (SAT) covering Social Sciences, Sciences and Mathematics.

SYLLABUS:

First Level NTSE conducted by the State / UT. Most questions will be from the State Syllabus of Std. 8 while fewer questions shall also come from CBSE and ICSE Syllabus. The Class VIII MAT and SAT will consist of 90 questions each. SAT will have 35-40 questions for Social Science, 35-40 for Science and 20-25 for Mathematics.

Second Level NTSE conducted at the National Level. This will include most questions as those that are taken at the CBSE and ICSE, prescribing the NCERT Syllabus.

FOR MORE INFORMATION:

For NTS National Level Examination Enquiry:
Phone No : 011-26560464
E-mail : ntse.ncert@yahoo.in

For State Level NTS Examination Enquiry : Contact the Liaison Officer of your State

For NTS Scholarship Inquiry:
Phone No : 011-26562704 (Timings 2.30 PM to 4.30 PM only)
E-mail : ntse2@yahoo.co.in

More information on:
http://www.ncert.nic.in/programmes/talent_exam/pdf_files/NTSSchemefinalCRC.pdf
**KVPY**

**Kishore Vaigyanik Protsahan Yojana**

The "Kishore Vaigyanik Protsahan Yojana" (KVPY) is a program started in 1999 by the Department of Science and Technology, Government of India to encourage students of Basic Sciences, Engineering and Medicine to take up research careers in these areas. The aim of the program is to identify and encourage talented students with aptitude for research.

The program is administered by the Indian Institute of Science (IISc, Bangalore). The selection of students from those studying in +1, +2, any U.G. Program in Science / Medicine and also Engineering students having aptitude for scientific research, are carried out by IISc (Bangalore), IIT-Bombay (Mumbai), and ICMR (New Delhi), respectively, in association with two Zonal Centers one at Kolkata (Indian Institute of Science Education & Research, Kolkata) and another at Mumbai (HBCSE, TIFR). There are special groups or committees set up at IISc, which screen the applications, conduct interviews at various centers, make the final selection.

**ELIGIBILITY:**

Students enrolled in the XI Standard (Science Subjects) during the academic year 2011-2012 and have secured a minimum of 80% (70% for SC/ST) marks in aggregate in MATHEMATICS and SCIENCE subjects in the X Standard Board Examination. [Students promoted through both the Summative Assessments-II conducted by the school and conducted by the Board are eligible to apply, if they satisfy eligibility criteria].

(If the candidates have obtained a letter grade in the qualified examination, they are requested to convert it into an appropriate % and fill-up the application form)

**SYLLABUS:**

Anything covered up to standard level from both CBSE and ICSE board.

**EXAM PATTERN:**

Questions divided equally among PCMB. There were different patterns followed in different years.

- **Year 2011 and 2009**  
  80Q = 60 Q * 1M + 20 Q * 2M

- **Year 2010**  
  52 Q = 40Q * 1M + 12Q * 5M
TENTATIVE EXAM DATE
Usually, Last week of October to first week of November.

FELLOWSHIPS

<table>
<thead>
<tr>
<th>BASIC SCIENCES</th>
<th>Monthly Fellowship</th>
<th>Annual Contingency Grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA and SP (After X Class)</td>
<td>Rs. 4000</td>
<td>Rs. 16000</td>
</tr>
</tbody>
</table>

Continuation of fellowship
Annual renewal of fellowships will depend on maintaining a good academic performance (I Class or 60% marks in aggregate) in each academic year in the chosen stream and satisfactory performance in the Summer Programs.

PRIVILEGES:
KVPY Fellows spend one or two weeks in scientific institutions listening to lectures by experts in different fields of science, engineering or medicine, see things in a research environment, science in action, watch scientists at work, interact with scientists, visit nearby scientific research laboratories and institutions, and exchange views with other research students.

The Summer Program for KVPY Fellows in the basic science stream is arranged either of the one places: Bangalore, Kolkata, Allahabad, Mumbai, Pune, Mohali and Trivandrum for One / Two weeks.

OTHER PRIVILEGES:
Each KVPY Fellow will be issued with an Identity Card so as to have access to renowned National laboratories/ Universities who have agreed to extend special privileges like library, laboratory facilities to KVPY Fellows on production of the ID card.

KVPY 2012 CONTACT DETAILS:

Address
The Convener
Kishore VaigyanikProtsahanYojana (KVPY)
Indian Institute of Science
Bangalore - 560 012

Phone
(080) 2360 1008, 2293 2975 / 76 (EPBX 11-22)

Email
scholarship@kvpy.org.in, application@kvpy.org.in, support@kvpy.org.in

Website
http://www.kvpy.org.in
The Mumbai Science Teachers’ Association conducts Dr. Homi Bhabha Balvaidnyanik Spardha since 1981 to encourage students to take interest in science, to inculcate scientific attitude and to search for science talent in students.

Only students studying in class VI and IX can participate in this exam. This competition is based on scientific knowledge acquired by the students up to std. VI and IX. It is conducted in English, Marathi and Hindi Media.

**EXAM PATTERN & REWARD**

This competition is conducted in three phases as described below.

<table>
<thead>
<tr>
<th>Phase No.</th>
<th>Description of the phase</th>
<th>Max Marks</th>
<th>Duration of exam.</th>
<th>Selection Procedure &amp; Rewards</th>
</tr>
</thead>
</table>
| Phase I   | Written test 100 multiple choice questions based on science & G.K.in science | 100       | 90 min.           | a) Top 7.5% students are selected for phase II  
b) Students obtaining marks above 35 will get Passing certificate |
| Phase II  | Practical Test :         |           |                   | a) All candidates get merit certificate.  
b) Selection for phase III -30% of the marks obtained in phase I and marks obtained in phase II are considered.  
c) Top 10 % students are selected for phase III |
|           | For IX std. :            | 10        | 10 min.           |                                  |
|           | Physics:                 | 10        | 10 min.           |                                  |
|           | Chemistry:               | 10        | 10 min.           |                                  |
|           | Biology:                 | 10        | 10 min.           |                                  |
| Phase III | Interview-               | 30        | 5 to 10 min.      | a) Considering 30% marks of Phase I, + Marks of Phase .II & Ph.III., top 10% will get Gold Medal, certificate and scholarship of Rs. 700/-  
b) Rest of the candidates will get silver medal, certificates and prize of Rs. 100/- |
|           | a) General interview      | 30        | 5 to 10 min.      |                                  |
|           | b) Evaluation of action  research report |           |                   |                                  |
Selection in each phase for Mumbai, Thane & Rest of Maharashtra region is done separately. Also selection for each std. & medium is separate.

**SYLLABUS / PORTION:**

Textbooks of V and VI std of SSC syllabus and Content related to the above from ICSE and CBSE books for 6th std.

Textbooks of VII ,VIII and IX std of SSC syllabus and Content related to the above from ICSE and CBSE books for 9th std.

Marathi medium students should refer the English medium textbooks and the ICSE, CBSE books for examples.

Majority of the questions will be from SSC board text books.

Less emphasis will be given for knowledge based questions and more emphasis for understanding, reasoning, correlation, etc.

The questions related to general knowledge in science will be based on the topics like happenings of the last year and science around day to day life.

**EXAMINATION INFORMATION**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Tentative Day / Date</th>
<th>Duration of actual exam</th>
<th>Total marks</th>
<th>Practical examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage 1</td>
<td>Mid- September</td>
<td>90 minutes</td>
<td>100</td>
<td>IX standard at all centres</td>
</tr>
<tr>
<td>Stage 2</td>
<td>Mid- January</td>
<td></td>
<td></td>
<td>Interviews and viva voce of action research.</td>
</tr>
<tr>
<td>Stage 3</td>
<td>Mid- February</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DISTRIBUTION OF MARKS FOR THEORY EXAM - IX STD.**

- Physics: 30
- Chemistry: 30
- Biology: 30
- General knowledge in Science: 10

The question banks for VI and IX standard are available in the official book of MSTA in English and Marathi medium. The question banks only give the general information about the examination and the sample questions.

For further Details, logon to [http://msta.in/general_instructions.html](http://msta.in/general_instructions.html)
IJSO
International Junior Science Olympiad

There are five stage process leading to International Junior Science Olympiad (IJSO)

Stage I  National Standard Examination in Junior Science (NSEJS).
Stage II  Indian National Junior Science Olympiad (INJSO),
Stage III  Orientation cum Selection Camp (OCSC) in Junior Science,
Stage IV  Pre-departure Training Camp (PDT) for IJSO,
Stage V  Participation in International Junior Science Olympiad (IJSO).

The detailed information about eligibility and structure of the stages are given below:

NSEJS
National Standard Examination in Junior Science

NSEJS is the first stage of selection of students in the Junior Science Olympiad Programme. NSEJS is organised by the Indian Association of Physics Teachers (IAPT). Every student aspiring to go through successive stages of the programme must enrol for NSEJS. NSEJS is held at a large number of centres in the country.

**TENTATIVE DATE**

November 2012

**ELIGIBILITY:**

All Indian students who are born on or after January 1, 1998 and, in addition, are in Class X or lower as of November, 2012, are eligible to appear in NSEJS 2012 – 2013. If they qualify in the NSEJS, they will be eligible for subsequent stages leading to participation in International Junior Science Olympiad.

It is the student’s responsibility to ensure that the eligibility criteria are satisfied. In case at any stage of the program it is found that the student does not satisfy the eligibility criteria, he/she may be disqualified from the program.
SYLLABUS:
The syllabus for NSEJS is broadly equivalent to the secondary school level (upto Class X) of CBSE. The different basic subjects of science (physics, chemistry, biology and mathematics) will have roughly equal emphasis. This is only a broad guideline, and there is no detailed syllabus given for NSEJS.

QUALIFYING FOR THE SECOND STAGE:
Based on performance in NSEJS, the top 300 students in order of merit qualify to appear for the Second Stage of the Olympiad programme INJSO. In case there is a tie at the last position, all students with the same marks at this last position qualify for INJSO. All students who qualify to appear for INJSO get a certificate of merit from IAPT.

INJSO
Indian National Junior Science Olympiad

INJSO is organized by HBCSE at about 15 centres in the country.

ELIGIBILITY:
Students selected from Stage I examination (NSEJS) are eligible to appear for INJSO. In addition those students who have been exempted as described in the Enrollment page are also eligible to appear for INJSO. Besides these two ways, there is no other way by which a student becomes eligible to appear for INJSO.

TENTATIVE DATE:
January end (3 hours)

SYLLABUS:
The syllabus for INJSO is broadly similar to NSEJS. The syllabus is, however, only a broad guideline. Questions and problems in National Olympiads are usually non-conventional and of high difficulty level, comparable to International Olympiads. On the basis of performance in INJSO, the top 36 students in the merit list are selected for Stage III: Orientation Cum Selection Camp (OCSC) in Junior Science. In the event, there is a tie at the last position; all students with the same marks at this last position will qualify for OCSC in Junior Science. There is no other criterion or provision for selection to OCSC.
OCSC
Orientation cum Selection Camp

OCSC in Junior Science is organized by HBCSE sometime in April to June for 2-3 weeks.

**ELIGIBILITY FOR OCSC:**

Only the students selected from the merit list of Stage II (INJSO) will be eligible for OCSC in Junior Science. There will be no other criterion or provision.

The camp will include several theoretical and experimental tests. Orientation will be provided to students especially in experiments. The camp will conclude with a valedictory function where distinguished scientists will be invited to speak to the students.

The merit list of OCSC in Junior Science is prepared on the basis of the combined theoretical and experimental score aggregated over all the tests in the camp, with 60% weightage for theory and 40% weightage for experiment. Performance in previous stages (NSEJS and INJSO) is not considered for the merit list and awards of the OCSC.

The top 6 in the OCSC Junior Science merit list are declared to be special merit awardees. These special merit awardees are given Rs. 5,000 each in the form of books and cash. In addition, there are special prizes to recognize meritorious performance in theory and experiments. The 6 special merit awardees in Junior Science selected at the end of the OCSC constitute the 6 member student team for the International Junior Science Olympiad (IJSO), provided they satisfy required criteria such as age limit, holding valid Indian passport, medical fitness, parental consent, etc.

PDT
Pre-departure Training Camp for IJSO

The selected 6 member student team undergoes a rigorous training programme at HBCSE in theory and experiment. Special laboratories are being developed at HBCSE for the purpose of experimental training. Resource persons from HBCSE and different institutions across the country will train the students.
IJSO

International Junior Science Olympiad (IJSO)

The 6 member student team and 3 teacher leaders constitute the delegation to represent India at the International Junior Science Olympiad (IJSO).

For further details log on to:
http://olympiads.hbcse.tifr.res.in/subjects/junior-science/stages
National Level Science Talent Search Examination shall be a comprehensive, independent examination that delivers challenging and high quality educational experience through a broad array of applied learning settings. The NSTSE question papers are scientifically designed to test concepts underlying the curriculum in an interesting way. National Level Science Talent Search Examination aimed at providing valuable and detailed diagnostic reports for specific improvement and further development of school students. While NSTSE encourages students to reason critically and solve problems, it also helps to boost confidence and enable students to realize their optimum potential.

NSTSE ADVANTAGES:

NSTSE Stands for National Level Science Talent Search Examination. It is a scientifically designed, skill-based assessment developed in India for Indian schools, after a detailed study of the syllabi of different central and state boards. Rather than testing rote learning, it focuses on measuring how well SKILLS and CONCEPTS underlying the school syllabus have been learnt by the student. The test provides information on the strengths and weaknesses of individual students and also entire classes.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skill-based</td>
<td>Provides feedback on real learning &amp; Relevant - actually tests what is being taught</td>
</tr>
<tr>
<td>Provides benchmark with students all over India</td>
<td>Allows student to know where she stands -</td>
</tr>
<tr>
<td>Provides detailed analysis and feedback</td>
<td>Pinpoints areas of strengths and weaknesses</td>
</tr>
</tbody>
</table>

CERTIFICATE OF MERIT:

Participation certificate will be issued to all the students taking the NSTSE 2012.

SYLLABUS:

NSTSE was developed after a study of NCERT books (CBSE) as well as ICSE-recommended books to ensure that the content is appropriate for students all over India.

TENTATIVE DATE:

December First week (Sunday)
**PATTERN:**

<table>
<thead>
<tr>
<th>No. of Questions</th>
<th>–</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marks</td>
<td>–</td>
<td>100</td>
</tr>
<tr>
<td>Time Allowed</td>
<td>–</td>
<td>1.5 Hrs</td>
</tr>
</tbody>
</table>

**REWARDS:**

- NSTSE topper will be awarded with Rs. 2,00,000 cash prize. The student who achieves the highest percentage of marks among all the classes is declared as NSTSE Topper.
- The top 3 rankers of NSTSE will be awarded with a notebook Laptop + Memento + Medal.
- The next 7 rankers in each class (Ranks 4-10) of classes II-XII will be awarded with a cash prize of Rs. 1000/-
- The students who secured the next 15 ranks in each class (Ranks 11-25) of classes II-XII will be awarded with a cash prize of Rs. 500/-
- Rankers 26-100 of each class will be awarded with BMA’s Talent & Olympiad Exams Resource Book from M/S. Brain Mapping Academy.

All the above rankers from class II-VI will be offered a discount coupon of 50% (Rs. 900) on Unified Knowledge Box Activity kit. All the above ranker will be offered a discount coupon of 50% (Rs. 750) on Ambition IIT/AIEEE material. All the rankers (1-100) will be awarded with a Britannica Encyclopedia – edition CD pack worth Rs. 995/- and a certificate of appreciation. Participation certificates for all the students who appeared for the examination will be given.

**PRIZES FOR STATE TOPPERS:**

Top 3 rankers in each state (minimum of 10,000 students in a particular state) will be awarded with a special award as a token of encouragement. He/she will be awarded with a Britannica Concise Encyclopedia edition CD worth Rs. 995 & certificate of appreciation.

Note: State wise ranks are declared after excluding the top 100 ranks across the country.

**CONSOLATION PRIZES:**

Top ranker in each class from selected cities will be awarded with a Britannica Concise Encyclopedia -edition CD worth Rs. 995/-. Top ranker in a city from each class (II – VI) will be offered a discount coupon of 25% (Rs. 450) on Unified Knowledge Box Activity kit and those from each class (VII – IX) will be offered a discount coupon of 25% (Rs. 375) on Ambition IIT/AIEEE material.

**Note:** City wise topper is declared after the 100 ranks across the country and state toppers. City Rank (for every Class) will be declared for the classes having a minimum of 500 students in a particular city.

**NSTSE TOPPER:**

A student of any class who achieves 100% marks will be awarded with a prize money of Rs. 2 Lakh. If none of the students achieves the same, then the student who achieves the highest percentage of marks among all the classes will be awarded with Rs. 1 Lakh.

For further information logon to [http://www.unifiedcouncil.com/what_is_nstse.aspx](http://www.unifiedcouncil.com/what_is_nstse.aspx)
NSO
National Science Olympiad

Participants of NSO are ranked on the basis of marks obtained. Hence, after taking the first level of the test, students can judge themselves academically at four different levels - within the school, at city and state level, and above all at International level.

**ELIGIBILITY:**
Students of classes 1st to 12th are eligible to appear for the NSO. For level 1, the first level of the test is organized in the respective schools of the participants during the school hours. There are separate question papers for each class. The medium of the test is English. CBSE, ICSE/ISC and State Board syllabus is followed for setting the test papers. For level 2, the qualifiers to second round would include the Top 500 students from each class.

**EXAM DATE:** 22nd & 29th Nov 2012 (10.00 a.m. and 11a.m)

**EXAM PATTERN:**
The participant has to answer 50 objective questions in 60 minutes.
Section I : Mental Ability (15 questions)
Section II : Science (35 questions)
There will be separate question paper for each class. For class 11 and 12, students can opt for Mathematics or Biology. There will be separate papers for each group.

**EXAM SYLLABUS:**
The syllabus of the NSO is the Science and Mathematics syllabus as is prescribed by the CBSE, ICSE or various state boards. If you sit for the second level and have moved onto the next class, the syllabus will remain the same (i.e. of the previous class).

**REWARDS:**
Participation Certificate will be given to every student. Merit Certificate for students appearing in second level. School Topper Medal to the class topper in each participating school.

**CASH PRIZES:**
1st prize Rs One lac  
2nd prize Rs Fifty thousand  
3rd prize Rs Twenty Five thousand 
Rank 4 to10 Rs Five Thousand  
Rank 11 to 20 Rs Two Thousand Five Hundred  
Rank 21 to 50 Rs One Thousand  
Rank 51 to 500 T-shirt

For further information, logon to
http://www.sofworld.org/nso/about-nso-exam/nso-exam-date.html
MTSE
Maths Talent Search Examination

Maths Talent Search Examination (MTSE) is a competitive examination conducted at various levels by the India Institute for Studies in Mathematics (IISMA). The focus of this exam is on mathematical reasoning, mental ability, novel approach, concepts, accuracy and speed.

ELIGIBILITY:
MTSE is an open exam. Any student studying in Class III, IV, V, VI, VII, VIII, IX with ICSE, CBSE, IB or any State Board is eligible to appear for MTSE. A student can appear only for the class in which he/she is studying during the academic year.

TENTATIVE EXAM DATE: February first Week

NATURE OF EXAM:
The paper will consist of 50 objective question i.e. each question will have 4 alternatives. These questions are to be answered in 90 minutes, on an OMR (Optical Mark Recognition) answer sheet. The correct answer is awarded with 2 marks, whereas the wrong one carries a penalty of 0.5 marks, except for Class III and IV.

SYLLABUS:
Syllabus of respective class covered in CBSE and ISEC.

AWARDS
Student scoring above 30 or the Benchmark score, whichever is higher, are declared as successful. Mementoes are awarded to the top 5 rank holders of each class. The top 200 successful students from each class are awarded a Certificate of Merit and Cash prizes more than Rs. 4 lacs as under. A Certificate of Participation is awarded to all other students writing the examination.

CASH PRIZES:

<table>
<thead>
<tr>
<th>Rank</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>Rs. 2500</td>
</tr>
<tr>
<td>2nd</td>
<td>Rs. 2000</td>
</tr>
<tr>
<td>3rd</td>
<td>Rs. 1500</td>
</tr>
<tr>
<td>4th</td>
<td>Rs. 1250</td>
</tr>
<tr>
<td>5th</td>
<td>Rs. 1009</td>
</tr>
<tr>
<td>6th to 10th</td>
<td>Rs. 750 each</td>
</tr>
<tr>
<td>11th to 20th</td>
<td>Rs. 400 each</td>
</tr>
<tr>
<td>21st to 35th</td>
<td>Rs. 300 each</td>
</tr>
<tr>
<td>36th to 55th</td>
<td>Rs. 250 each</td>
</tr>
<tr>
<td>56th to 80th</td>
<td>Rs. 225 each</td>
</tr>
<tr>
<td>81st to 110th</td>
<td>Rs. 200 each</td>
</tr>
<tr>
<td>111th to 150th</td>
<td>Rs. 175 each</td>
</tr>
<tr>
<td>151st to 200th</td>
<td>Rs. 150 each</td>
</tr>
</tbody>
</table>

For Further Information logon to [http://www.iisma.com/mtse.html](http://www.iisma.com/mtse.html)
IMO
International Mathematics Olympiad

The IMO (International Mathematics Olympiad) is a means to identify and encourage the mathematical creativity of children in schools across India and abroad.

ELIGIBILITY:
Students of classes 1st to 12th are eligible to appear for the IMO. There is no other eligibility criterion like minimum marks.

PATTERN:
The participant has to answer 50 questions in 60 minutes.
Section I : Logical and Analytical Reasoning (20 questions)
Section II : Mathematical reasoning (20 questions)
Section III : Everyday mathematics (10 questions)

EXAM DATE: 13th & 20th December 2012

SYLLABUS:
Syllabus of respective class covered in CBSE and ISEC.

AWARDS & RECOGNITION:
Participation Certificate to every student. Merit Certificate for students appearing in second level. School Math Genius Medal to the class topper (with minimum 10 enrolments in the class concerned) in each participating school.

CASH PRIZE:

<table>
<thead>
<tr>
<th>Rank</th>
<th>Prize</th>
<th>Rank</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st prize</td>
<td>Rs One lac</td>
<td>Rank 4 to 10</td>
<td>Rs Five Thousand</td>
</tr>
<tr>
<td>2nd prize</td>
<td>Rs Fifty thousand</td>
<td>Rank 11 to 20</td>
<td>Rs Two Thousand Five Hundred</td>
</tr>
<tr>
<td>3rd prize</td>
<td>Rs Twenty Five thousand</td>
<td>Rank 21 to 50</td>
<td>Rs One Thousand</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rank 51 to 50</td>
<td>T-shirt</td>
</tr>
</tbody>
</table>

For further information logon to http://www.sofworld.org/imo
Maharashtra Ganit Adhyapak Mahamandal conducts the Ganit Pravinya exam for the selection of the toppers in Mathematics. Students studying Vth and VIIIth classes can attend the test. Those who clear the test scoring 75% and above are qualified to attend the Ganit Pradnya Exam. It is held in the month of December annually. Maharashtra Ganit Adhyapak Mahamandal provide training programs which help students to overcome the fear of Mathematics and in developing attention and confidence among children in learning the same.

**PATTERN OF EXAM:**
Separate tests are carried out for 5th and 8th standard students. The test consists of questions on Vth class Maths including Geometry and excluding topics like Percentage, Interest, Table and Temperature. The first and second parts of the VIIIth Maths curriculum are included in the exam. Since both these tests are of subjective type, aspirants should solve the sums with reasoning and correct steps. The test is for 180 minutes carrying 100 marks. Around 30 questions are included in the test.

**ELIGIBILITY CRITERIA:**
Aspirants who have passed 4th and 7th class are eligible to apply for the Ganit Pravinya exam. They are required to have a score of 60% and above in Mathematics in order to attend the test.

**APPLICATION PROCEDURE:**
Applicants can obtain forms from the official address of Maharashtra Ganit Adhyapak Mahamandal either by hand or by post on remittance of the form fee. Duly filled in applications should be send to the same address prior to the last date. Applicants should enclose their eligibility exam certificates like 4th or 7th standard progress card copies along with the forms.

**CONTACT DETAILS:**
Address: Brihan Mumbai GanitAdhyapakMandal, 5, Parle Ganga Niketan, Subhash Road, Vile - Parle (E) Mumbai - 400 057, India.
Website: http://www.mumbaiganitmandal.com

<table>
<thead>
<tr>
<th>EXAM</th>
<th>ELIGIBILITY</th>
<th>EXAM DATE</th>
<th>SYLLABUS</th>
<th>EXAM PATTERN</th>
</tr>
</thead>
<tbody>
<tr>
<td>KVPY</td>
<td>Students enrolled in the XI Standard and have secured a minimum of 80% marks in PCMB</td>
<td>Usually Last week of October to first week of November</td>
<td>Anything up to standard level from both CBSE and ICSE board</td>
<td>80 Objective Questions</td>
</tr>
<tr>
<td>NTSE</td>
<td>Students studying in VIII</td>
<td>Usually in November</td>
<td>Syllabus of class VIII along with advance level</td>
<td>MAT 90 &amp; SAT 90 SAT- 35 ques Social Science, 35 for Science and 20 for Maths.</td>
</tr>
<tr>
<td>NSTSE</td>
<td>Class 2-12</td>
<td>Last year: 4/12/11</td>
<td>Based on the CBSE syllabus</td>
<td>1000-100M-90minutes, M-25, P25, C20, B20, General-10</td>
</tr>
<tr>
<td>NSEJS</td>
<td>Students of Class X</td>
<td>Last year: 27/11/11</td>
<td>CBSE up to 10&lt;sup&gt;th&lt;/sup&gt; PCMB roughly equal weightage</td>
<td>2009/10/11</td>
</tr>
<tr>
<td>INJSO</td>
<td>Students selected from Stage I examination (NSEJS)</td>
<td>Last Year: 28/1/12</td>
<td>CBSE up to 10&lt;sup&gt;th&lt;/sup&gt; PCMB roughly equal weightage</td>
<td>Time: 3 hrs.</td>
</tr>
<tr>
<td>MTSE</td>
<td>Class 3-9</td>
<td>Last Year: 05/02/12</td>
<td>As per syllabus of CBSE and ICSE of respective classes</td>
<td>50Q -90Minute +2M for correct and -0.5 for wrong</td>
</tr>
<tr>
<td>NSO</td>
<td>Class 1-12</td>
<td>Last year: 17/11/11</td>
<td>Syllabus mentioned on the science Olympiad foundation website</td>
<td>50Q in 1hr Section I: 15Q on MA Section II: 35Q on PCB</td>
</tr>
<tr>
<td>IMO/RMO</td>
<td>Class 1-12</td>
<td>Last year: 8/12/11</td>
<td>Syllabus mentioned on the science Olympiad foundation website</td>
<td>50Q in 1hr divided into 3 sections</td>
</tr>
<tr>
<td>HBBVS</td>
<td>Students in Class 9&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Mid- September</td>
<td>Textbooks of VII ,VIII and IX std of SSC, CBSE and ICSE</td>
<td>100 Q in 90 min PCB- 30 M each GK – 10 M</td>
</tr>
<tr>
<td>Ganit Pravinya</td>
<td>Aspirants who have passed 7th class with a score of 60% and above in Mathematics</td>
<td>November end</td>
<td>The first and second parts of the VIIIth Maths curriculum (Maharashtra board)</td>
<td>180 minutes carrying 100 marks. Around 30 questions are included in the test</td>
</tr>
<tr>
<td>Ganit Pradnya</td>
<td>Those who clear the Ganit Pravinya Exam scoring 75%</td>
<td>February first week</td>
<td>The first and second parts of the VIIIth Maths curriculum (Maharashtra board)</td>
<td>100 Q in 2hrs</td>
</tr>
</tbody>
</table>