BIHAR MATHEMATICAL SOCIETY

BROCHURE FOR TSTMS (Junior/Senior)
Junior for Classes 6 to 12
Senior for B.Sc and M.Sc

Introduction of BMS

The Bihar Mathematical Society(BMS) was establishedon 01 February 1958 at Bhagalpur. The aim and objective of the society is to provide a common platform for teachers, scientists and research scholars from different parts of the country to exchange ideas for improvement in the field of Mathematics. About 700 Life Members of the society have been contributing substantially to the activities of Bihar Mathematical Society directed towards attainment of its goal. ThefirstJournalofthesocietywaspublishedin1961 while first conference of the society was held in 1970.

The Society has been conducting Talent Search Test in Mathematical Sciences (TSTMS) Junior- For classes VI to XII & (TSTMS) Senior- For B.Sc& M.Sc.

1. Aims and Objectives of the Society :

- The aim of the society is to encourage and promote study and research works with in India and abroad through the following methods

- To write, compile and publish journals, books and reports.

- To invite outstanding scholars to deliver memories and special lecture son their own contributions.

- To assist, subscribe and to cooperate with any other society having objectives similar to itself.

- To establish a forum for there search workers and teachers for exchange of ideas through regular periodic meetings.

- To remove phobia of mathematics among students and search talented students through TSTMS examinations.

- To equip the students for competitive examinations by Instructional School for Mathematical Sciences (ISMS) training of the young students and to create so much interest for the subject of mathematics.

2. Patron Members:

The Chancellor of the Universities of Bihar shall be the Ex-officio chief patron. The Vice-Chancellor of each University of Bihar shall bean Ex-officio Patron of Bihar Mathematical Society. The Heads of the Department of Mathematics/Statistics of every University of Bihar shall be an Ex-officio member of the society.

3. Editorial Board

An Editorial board is constituted to write, compile and publish journals, books and reports of Bihar Mathematical Society.

4. Conferences & Seminars:

The conference is intended to keep abreast of the latest development in the field of mathematical sciences in order to encourage and inspire the young researchers and teachers the society. The first conference of the society was held on 1970 and several seminars, workshops and training camp were held since then.

5. Journal of Bihar Mathematical Society :

The Bihar Mathematical Society has been publishing its journal named as "Journal of the Bihar Mathematical Society" (JBMS) since 1961. The first Volume of Journal was released by the former Vice-Chancellor Prof. B.P Jamuar in1961. The ISSN No. of the Journal is 0972-871.

Talent Search Test In Mathematical Sciences
(TSTMS) Junior/Senior
Junior for Classes 6 to 12
Senior for B.Sc and M.Sc

Various mathematical sciences activities and outreach programmes are conducted by Bihar Mathematical Society (BMS) with the support of The Education Department, Govt. of Bihar and Bihar Council on Science and Technology (BCST) to ignite & inculcate mathematical & scientific temperament amongst the students of the academic institutions as well as children of out of school system.

A brief description of BMS activities and outreach programmes are as given below :

The Society has been conducting Talent Search Test in Mathematical Sciences (Junior) for classes VI to XII while Talent Search Test in Mathematical Sciences (Senior) for B.Sc & M.Sc. These examinations are not merely competitions; they are the meeting places of the brightest young minds of the world. They do not lead directly to any career benefits; rather, they provide as timulus to begin a career in mathematical sciences to undertake a life long journey into the realms of exciting intellectual challenges.

The Society started organizing Talent Search Test in Mathematics (TSTM) since 1993 for school going students. Since 2020, the Society in collaboration with Bihar Council on Science and Technology is organizing Shrinivasa Ramanujan Talent Search Examination (SRTSTM) for classes VI to XII.

1. Objectives

The main aim of the TSTMS Examinations is to search the talent hidden among young children to motivate them towards rational thinking and learning from the earliest stage for the Mathematical contests. Such tests are sure to remove phobia of Mathematics and to make the students academically competent to appear for various competitive examinations. We cultivate the talented students and honour and inspire the students by awarding prizes. A training programme ISMS is conducted by subject experts periodically. The successful candidates in the merit list are called the TSTMS winners.

2. Eligibility

A candidate must be a citizen of India. A regular student of a particular class from any recognized educational institutions of India will be eligible to appear for the TSTMS examinations. All candidates are requested to carefully read the rules of the Examination notified by BMS. The Candidates applying for the examination should ensure that they fulfill all eligibility conditions for admission to Examination. The date of birth and other relevant educational certificates are required to be certified by the Principal or Head of the institution and submitted only at the time of award function and training camp. The maximum age of the applicant is determined from 31st March of the year of the exam.

Class	6	7	8	9	10	11	12	TSTMS Junior VI to XII	TSTMS Senior B.Sc & M.Sc
Max age (Years)	13	14	15	16	17	18	19	13 to19	35

3. How to Apply:

The students are invited to directly register and enroll themselves online on official website www.bmsbihar.org of BMS. Detailed instructions for filling up online applications are available on the abovementioned website. The applicants must ensure that while filling their application form, they are providing their valid and active E-mail Id and mobile number as the society may use electronic mode of communication while contacting them. The applicants are advised to check their emails at regular intervals.

4. Examination Pattern:

It is objective type test with a duration of one hour comprising 25 questions. In case there are too many applicants the society may decide to subjective test of two hours duration of two hours comprising 10 questions.

5. Results:

The result of TSTMS are declared on the official website www.bmsbihar.org of Bihar Mathematical Society.

6. Medals and Certificates:

Top three rank holders in each class will be entitled to be awarded Gold, Silver and Bronze medals along with cash prizes and remaining winners will be entitled to be awarded cash prizes with certificate of excellence. Any Institution/Person actively contributing in organising the TSTMS will be awarded certificate of contribution for their co-operation.

7. Registration Fee:

The candidates will not have to pay registration fee for the Examination of TSTMS.

8. Examination Centres :

TSTMS Examination will be conducted at certain specified towns of Bihar. However, it may also be conducted ino their towns provided the number of participants in that town is not less than1000. They will be required to appear at Patna centre or near by home district. The centres and the date of holding the examination as mentioned below are liable to be changed at the discretion of the Society.

9. Programme Scheduled

- Last date for submission of application form 18 Dec 2023
- Admit card available for examinations 10-25 January, 2023
- Date of Examination 17-18 February, 2024
- Date of Result Publication 27 February, 2024
- ISMS training camp 01-30 June, 2024

10. Syllabus

The Syllabus of the TSTMS can be obtained or downloaded from our Website www.bmsbihar.org

11. Examination Board:

An examination board is constituted to conduct the examinations of TSTMS. A controller of Examination including board of examination will look after all academic activities and examinations.

ISMS Training Programme

The Instructional School for Mathematical Sciences (ISMS) training is intended to provide an orientation program to the students of classes 6 to 12 and for B.Sc& M.Sc. The instructional school is planned to expose young minds to the excitement of higher mathematical pursuit and enable them to have a meaningful career in it. The teaching methodology in the training camp will be fundamentally different from regular classrooms. The participants will be asked to think and prove mathematical result on their own at every stage. Additionally with the intention to build the culture of holistic development of an individual's mind, body, and soul, several sessions on various outdoor and indoor games, practicing yoga, cultural activity and meditation etc. will be conducted.

The programme will be funded by the Education Department, Govt. of Bihar. The emphasis will be on learning mathematics by doing it.

1. Objectives

The objective of the training is to instill scientific temper, develop interest, computational thinking and competitive mindset in students. The ISMS training of 30 days is involving intensive problem-solving camp to help students prepare for Olympiads and different competitive examinations. Moreover, it aims at motivating students to develop interest into higher mathematical Science and related career in it.

2. Pedagogical Approach:

The training camp is not to give routine lectures but to stimulate the participants to think, learn and analyze mathematics and science on their own and expose students to the excitement of doing mathematical and scientific research.

3. About Organising Bodies

This programme is being organized jointly by the Bihar Mathematical Society (BMS) and Education Department, Govt. of Bihar.

4. Programme Structure and Outline

The Camp will be held for 30 days. There will be two sessions conducted on the first afternoon. In the first session, participants begin with morning exercise and breakfast followed by two periods of classroom teaching. After lunch, mathematics classroom teaching will be held in the first period and the second period is tutorial classes and group discussions with recreational mathematics. Every day there will be two sessions of 4 periods of 01:30 hour duration for each of 4 levels followed by rigorous discussion and seminars, yoga, cultural and other activities.

5. Resource Persons

The faculty members for this programme will be reputed Mathematicians from different IITs/NITs besides some other elite institutions across the country. Teachers of this programme will act as Mentors (Subject Matter Experts). This would facilitate intense interaction between students and instructors giving closer attention to all the students. The role of the faculty will be to raise relevant questions to keep the students on the right track while leaving them to solve the problems on their own.

Those interested to be partner in the endeavour and willing to spend as Mentors every year during the conduct of the programme are welcome to join the Registry in a given format.

Dr. Vijay Kumar
Convener BMS