



National Mathematics Day-2021



Organized By

BIHAR COUNCIL ON SCIENCE & TECHNOLOGY
GOVT. OF BIHAR

IN Collaboration with

BIHAR MATHEMATICAL SOCIETY

Venue- Indira Gandhi Planetarium Hall (Taramandal) Patna Bihar.

22 & 23 December, 2021 (Time: 10:00AM)

CHIEF GUEST



SRI SUMIT KUMAR SINGH

Hon'ble Minister,
Department of Science & Technology, Govt. of Bihar

GUEST OF HONOUR



Prof. K. C Sinha

Academic President

Bihar Mathematical Society
Cum Vice Chancellor N.O.U, Patna



Sri Lokesh Kumar Singh, IAS

Secretary

Department of Science & Technology,
Govt. of Bihar

National Mathematics Day-2021

Srinivasa Ramanujan Talent Search Test in Mathematics-2021

Background:

National Mathematics Day -2021 (NMD) is celebrated every year on 22nd of December to recognize the achievements of the Indian Mathematician Srinivasa Ramanujan, who was born on this date in 1887.

National Mathematics Day-2021 is going to be organized by Bihar Council on Science and Technology, Patna in collaboration with Bihar Mathematical Society on 22nd & 23rd December 2021.

Objective of NMD-2021.

- I. The main aim of the National Mathematics Day-2021 is to encourage the young students of Bihar to take interest in the field of Mathematics.
- II. To remove phobia of the Mathematics among teachers, research scholars and students.
- III. To promote the research and innovations in the field of mathematics.
- IV. To felicitate and award the young talent in the field of mathematics.
- V. To spread the awareness about contribution of Srinivas Ramanujan in the area of mathematics among young generation.

First Day Event- First day event will be followed by welcome address, theme sharing and many motivational lectures, Ideas and innovations Sharing, Award Felicitation Program.

Second Day Event- Second day a National Conference and Research Paper Presentation will be done. National Conference will be followed with few motivational lectures on the life of Srinivas Ramanujan, and the Paper Presentation will be conducted on the theme of the Mathematical Modelling, Numerical Solutions of Ordinary & Partial Differential Equation, Optimization Technique and Biomathematics. The selected papers will be invited for the presentation and the award will be given to the teachers and research scholars on the recommendation of screening committee.

1.SRTSTM 2021- Srinivas Ramanujan Talent Search Test in Mathematics 2021 (SRTSTM) will be conducted to test the knowledge and skills of students in the area of Mathematics. It will be an online examination of 1 hour duration comprising of 30 multiple choice (MCQ) questions without negative marking. The questions will be in both Languages Hindi and English.

The test will be conducted for three levels :-

- Level 1- Class 6 to 8
- Level 2- Class 9 to 10
- Level 3- Class 11 to 12

2.Eligibility Criteria

- A regular student studying in any class between 6 to 12 (Academic Session 2021-2022) in any Government/Private school or colleges of Bihar will be eligible to apply
- The Candidates applying for the examination should ensure that they are fulfilling the eligibility criteria defined by BCST council

3. Examination Centre- Examinations will be conducted at Govt. Engineering College and Polytechnic Institutes of Bihar. The Centre details and date of examination as mentioned above may liable to be changed as per discretion of BCST Council. The Candidates will get all the information regarding examination date & time, center details after downloading the Admit card from official website of BCST-Council.

4.Examination Results- The result of SRTSTM-2021 will be declared on the official website www.bcast.org.in.

5.Medals and Certificates-Three students will be selected in each level at each participating District i. e, total 9 students per district and they will be awarded with cash prizes of 1st Rank Rs1000, 2nd Rank Rs 700 and 3rd Rank Rs.500 with certificate of excellence and medals respectively.

6.Programme Scheduled:

1. Last date for the submission of application form	12.12. 2021
2. Admit Card Available for Download	15.12. 2021
3. Date of Examination	19.12. 2021
Level 1- Std 6 to 8	(10:00AM-11:00AM)
Level 2- Std 9 & 10	(12:00AM- 01:00PM)
Level 3- Std 11 & 12	(02:00PM- 03:00PM)

7.How to Apply:

Eligible students are invited to directly register and enroll themselves online on official website www.bcast.org.in. They have to provide their valid and active E-Mail IDs and mobile number as the Council may use electronic mode of communication while contacting them at different stages of examination process. The applicants are advised to check their emails at regular intervals.

Registration fee- Nil Registration Link- www.bcast.org.in

8.Syllabus. The SRTSTM-2021 Syllabus covers all boards namely State Board, CBSE and ICSE Board at 12th level, Class wise syllabus can be downloaded from the official website- www.bcast.org.in

9.Dignitries Speech on National Mathematics Day 2021.

- 1.To make Mathematics field as attractive carrier to young children
- 2 To eradicate phobia and fear against Mathematics among children and adults.
- 3.To inspire young children with life history of Ramanujan
- 4.To inspire mathematicians to take up his end research in the field of Mathematics
- 5 To organize technical lecture on Mathematics topics /issue including Engineering Mathematics
6. To enthuse the high school teachers and college faculty in the recent trends in the mathematics

10.About Bihar Council on Science and Technology

The Bihar Council on Science & Technology, Patna was set up by the Government of Bihar on 25th February, 1984 under the Dept. of Science & Technology, Government of Bihar.

VISION- To become facilitator and mentor for promoting R&D on one hand and to serve the technological requirements of the common man through development of science and technology on the other

MISSION-To promote science and technology in the state by encouraging scientists, academicians and technologists to pursue world class research and to nurture a

National Conference

National conference will be held on 23rd December 2021, on the auspicious occasion of National Mathematics Day-2021.

1.Theme of the Conference:

The Research Paper will be submitted on the following topics:-

Mathematical Modeling, Numerical Solutions of Ordinary & Partial Differential Equations, Optimization Technique and Biomathematics.

Original research papers and abstract in 200 words are invited in 12 font size and Font Name-Times New Roman (M.S Word & Hard copy) on email-

bmsheplinedesk@gmail.com / pdbcast.mathday21@gmail.com

2.Date of Submission of Research Paper-

Last date to submit the abstract paper - 15.12.2021

Last date for submission of full paper - 22.12.2021

3.Award for best research paper-

Award for the Best Research Paper will be given on basis of Research Methodology, standard of Research Paper, Data Analytics, Originality/Authenticity, Clarity and Coherence.

Teachers/Research Scholars are Invited to attend and present their research papers in the conference on 23.12.2021.

We are pleased to invite you to submit your research papers, articles in the Journal of the Bihar Mathematical Society (JBMS). Paper must be submitted either in M.S Word format or in LaTeX. For publication of Research Papers/Abstract may details on www.bmsbihar.org

4. There is no accommodation facilities and no T.A./D.A for the teachers and research scholars .

5.Registration Link- <https://forms.gle/Lsbf6dp8imbEdpxXA>

Registration Link also Available on the- www.bcst.org.in

About Bihar Mathematical Society

The Bihar Mathematical Society (BMS) was established on 01 February 1958 at Bhagalpur and registered by Bihar Govt. in 1983 of registration no 144/1983-84. 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 National and International Life Members of the society have been contributing substantially to the activities of Bihar Mathematical Society. The first Journal of the society was published in 1961. The first conference of the society was held in 1970. The Bihar Mathematical Society is organizing TSTM Olympiad for classes VI to XII. The Society has been conducting Talent Nurture Programme in three levels as Level I-Class 6 to 12, Level II-B. Sc & M. Sc and Level III- UPSC, NET, GATE, IIT JAM and other competitive examinations.

Organizing committee

- ❑ **Sri Sanjeev Kumar, IAS** –Director Dept. Department of Science and Technology, Govt of Bihar (Patron)
- ❑ **Dr. Anant Kumar**, Project Director Bihar Council on Science & Technology Patna- (President)
- ❑ **Prof. D. N. Singh**, Former Prof of Mathematics, TMBU, Bhagalpur. General Secretary, BMS
- ❑ **Prof. Vijay Kumar**, Convener cum Executive Joint Secretary, BMS, (Organising Secretary)
- ❑ **Prof Arindham Bose**- Dept. of Mathematics, Tata institute of fundamental Science, Mumbai.
- ❑ **Dr. Shubha Sinha**- Special Officer, Bihar Council on Science and Technology, Govt. of Bihar.
- ❑ **Shri Santosh Kumar**- Assistant Director, Department of Science and Technology, Govt of Bihar
- ❑ **Md. Afroz Afzal**- OSD, Department of Science and Technology, Govt of Bihar
- ❑ **Md. Atiquar Rahman**- Assistant Director, Department of Science and Technology, Govt of Bihar
- ❑ **Chandan Rai**- Sr. Project Consultant, Department of Science and Technology, Govt of Bihar
- ❑ **Amrita Kumari**- Department PMU Lead, Department of Science and Technology, Govt of Bihar
- ❑ **Dr. Rajnesh Kumar**, Assistant Professor, - Govt. Engineering College Nawada
- ❑ **Ms Priyamvada**, Lecturer, Govt. Polytechnics Motihari
- ❑ **Dr. Smita, Lecturer**, Govt. Polytechnics Patna-7
- ❑ **Govind Shah, Lecturer**, Govt Polytechnic, Motihari
- ❑ **Dr. Rakesh Kumar**- Dean Education, TMBU Bhagalpur(Academic Secretary BMS)
- ❑ **Dr. Nutan Kumar Tomar**, Head, Dept. of Mathematics, IIT Patna
- ❑ **Dr. Om Prakash**- Dept. of Mathematics IIT Patna
- ❑ **Prof.Azhar Hussain**- former Vice- Chancellor, V.K.S.U, Ara.
- ❑ **Prof. Amrendra Mishra**- Former head, Dept. of Statistics, P.U.,Patna.
- ❑ **Prof. M.P. Singh**-Former Prof. College of Commerce, Arts and Science Patna
- ❑ **Dr. D.N. Sharma**- Controller of Examination, Bihar mathematical society
- ❑ **Dr. Praveen Kumar**-Dept. of Economics College of Commerce Arts and Science Patna.
- ❑ **Sri Bibhuti Bikramaditya** - Chairman, B. Brains Development Society
- ❑ **Dr. S.K Mishra**-Principal, S.S College, Jehanabad
- ❑ **Prof. Arun Kumar**- President, Science for Society, Bihar
- ❑ **Dr M.Z Alam**-Dept. of Mathematics, College of Commerce, Arts and Science Patna.
- ❑ **Dr. N. K. Agrawal** - PG Dept. of Mathematics LNMU Darbhanga
- ❑ **Dr. M. K. Madhukar**-Dept. of Mathematics, College of Commerce, Arts and Science, Patna
- ❑ **Dr. Krishnandan Prasad**- Dept. of Mathematics T.P.S. College, Patna (Dy Controller of Exam,BMS)
- ❑ **Dr. Shambhu Sharan**- Dept. of Mathematics College of Commerce Arts and Science Patna.
- ❑ **Dr. Ajay Kumar**- Dept. of Mathematics College of Commerce Arts and Science, Patna
- ❑ **Dr. Ashutosh Kumar Srivastava**- Raghunath Girls +2 High School Patna
- ❑ **Dr. Arun Dayal**- Miller +2 High School Patna
- ❑ **Sri Randhir Kumar**- Examination Board Member, Bihar Mathematical Society
- ❑ **Dr. Rashmi Prabha**- Head, Dept of Mathematics and Science, SCERT, Patna.
- ❑ **All Heads ,Dept. of Mathematics, Universities of Bihar**
- ❑ **All District Conveners and Members of Bihar Mathematical Society.**