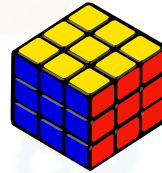


GENERAL INSTRUCTIONS

- Teams should report at 9.30 am in front of Department of Mathematics.
- Team should produce identification certificate from the authorities concerned.
- No TA/DA will be provided to the participants.
- There will be a registration fee of ₹50/- per participant.
- An additional fee of ₹50 is required to participate in the Rubik's Cube challenge.
- Decision taken by the Tournament Committee will be final.

Recreations of the Day

- Puzzle Corner
- Mathematical Games
- Fun with Mathematics



$$V = \frac{4}{3} \pi r^3$$



For More Details Contact:

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E-mail: maths@sbcollege.ac.in



Prof. V S Varkey



Prof. M C Varghese



Prof. K E Paulose



Prof. O C Kuriakose

DEPARTMENT OF MATHEMATICS



St Berchmans College

Founded 1922

AUTONOMOUS

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Changanassery, Kerala, India 686101 | Affiliated to Mahatma Gandhi University, Kottayam

13th ALL KERALA MATHEMATICS TOURNAMENT 4 & 5 DECEMBER 2024

PROBLEM SOLVING

MATHEMATICS QUIZ

POSTER PRESENTATION

MATHEMATICS RELAY

RUBIK'S CUBE CHALLENGE

JUST PROVE IT !



For Registration



Dear Sir/ Madam

We are extremely happy to inform you that Berchmans Mathematics Association (BMA), St. Berchmans College is organizing 13th edition of Mathematics tournament on 4th and 5th December 2024 for colleges and schools respectively. We cordially invite you to this event and request you to send students from your institution.

With best regards,

Fr. Reji P Kurian
Principal

Dr. Ullas Thomas
President, BMA

Ms. Blessin Anna Mathew
Secretary, BMA

Fr. John J Chavara
Head of the Department

4 DECEMBER COLLEGE EVENTS



MATHEMATICS QUIZ

Prof. M. C. Varghese Memorial Medals & Cash prizes

- 1st Prize : Berchmans Ever Rolling Trophy & ₹ 3000/-
- 2nd Prize : Berchmans Ever Rolling Trophy & ₹ 1500/-
- 3rd Prize : Berchmans Ever Rolling Trophy & ₹ 1000/-



PROBLEM SOLVING

- 1st Prize : ₹ 2000/-
- 2nd Prize : ₹ 1500/-
- 3rd Prize : ₹ 1000/-

- Problem Solving Contest is also the elimination round for the Relay competition so that the participants of Relay Competition get additional opportunity to take part in one more event.
- This is an individual event so that the number of participants from an institution is not limited.



JUST PROVE IT !

Topic : Number Theory

- Division Algorithm
- Prime Factorisation
- Chinese Remainder Theorem
- Congruence and It's Properties
- Arithmetic Functions ($\sigma(n)$, $\tau(n)$, $\phi(n)$)

- 1st Prize : ₹ 5000/-
- 2nd Prize : ₹ 3000/-
- 3rd Prize : ₹ 2000/-
- 4th Prize : ₹ 1000/-
- 5th Prize : ₹ 1000/-

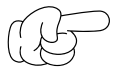
- If the number of participants exceeds 10, an elimination round will be conducted based on the topics mentioned above.
- Each finalist will be given 7 minutes to prepare for a specific question.
- The final selection will be based on the prepared content, the presentation (chalk talk), and a viva voce.



RUBIK'S CUBE CHALLENGE

- 1st Prize : ₹ 3000/-
- 2nd Prize : ₹ 2000/-
- 3rd Prize : ₹ 1000/-

- Participants should bring Rubik's Cube (3 x 3)



MATHEMATICS RELAY

1st Prize : ₹ 3000/-
 2nd Prize : ₹ 2000/-
 3rd Prize : ₹ 1000/-

- An Institution can send 2 teams consisting of 2 members each.

5 DECEMBER 2024 SCHOOL EVENTS



PROBLEM SOLVING

Category: High school, Higher Secondary

Prof. O. C. Kuriakose Memorial Medals & Cash prizes

1st Prize : ₹ 2000/-
 2nd Prize : ₹ 1500/-
 3rd Prize : ₹ 1000/-

- This is an individual event so that the number of participants from an institution is not limited.
- Attractive Prizes will be given up to 10th position.



RUBIK'S CUBE CHALLENGE

Category: Common for High school and Higher Secondary

1st Prize : ₹ 3000/-
 2nd Prize : ₹ 2000/-
 3rd Prize : ₹ 1000/-

- Participants should bring Rubik's Cube (3 x 3).



MATHEMATICS QUIZ

Category: High school, Higher Secondary

**Prof. K. E. Paulose Memorial, Prof. V. S. Varkey Memorial
 Medals & Cash prizes**

1st Prize : ₹ 2000/-
 2nd Prize : ₹ 1500/-
 3rd Prize : ₹ 1000/-

- An institution can send at most 3 teams consisting of 2 members each.



POSTER PRESENTATION

Category: High school

Theme of the poster : Symphony of Numbers

**Mathematics Alumni Association sponsored
 Medals & Cash prizes**

1st Prize : ₹ 2000/-
 2nd Prize : ₹ 1500/-
 3rd Prize : ₹ 1000/-

- Poster should be brought prepared.
- Poster should be prepared on the chart paper (56cm x 71cm)
- Printed matter/paper cuttings should not exceed 25% of the content.
- Evaluation should be based on the relevance of the content, layout and oral presentation.
- An institution can send at most 2 teams consisting of 2 members each.