

# Enumeration 2024 Rules

## Eligibility

- Students currently in their 8th-12th grades of schooling or first 3 years of undergraduate can appear for the exam.
- Students need valid ID proof of studentship to appear for the exam.
- Students of all curriculums are eligible. Home schooled students may be allowed to participate as per the discretion of the co-ordinators.

## Registration

- Students must register as individuals. No team participations are allowed.
- There is no registration fee for the exam.
- The registration can be done in the official pravega website.

## Exam Structure

- The exam will be conducted online. The exam paper and a google form will be sent to the registered email ID on the day of the exam.
- 4 Hrs of time will be given with the possibility of extending to one more hour in case of technical difficulties.(Such as internet issues)
- There will be 15 problems whose answer will be a positive integer. Reporting only the answer suffices. There will be 5 more questions, for which a detailed solution is required to be submitted in a pdf format.
- It is important for the solutions to be written in a way that the graders can understand easily. Here are a few guidelines to follow:

1. Start each question on a separate page.
  2. Write the question number at the top of the page.
  3. Be generous on the number of papers. Don't try to cram everything into one page.
  4. Try not to write more than 10 sheets, because if you are having to do that then you probably made a mistake!
  5. Make any kind of diagram as neat and labelled as possible.
  6. Do write partial solutions as well as clearly as possible, as it would help the graders to give you partial marks.
- The problems are supposed to resemble olympiad level problems. Going through previous year problems of RMO, INMO, PRMO, IOQM etc. would be helpful. (These references are not exhaustive, and are only a suggestion. The actual paper need not be similar to these exams.)

## Code of Conduct

- Being an online math exam, the integrity of the participants is important to not ruin the spirit of the competition.
- The participants are not allowed to use any online resources, books, or any other material during the exam.
- The participants are not allowed to discuss the problems with anyone else during the exam.
- The participants shall not use anything apart from paper, writing material, ruler and compass during the exam.
- If any participant is found to be violating any of the above rules, they will be disqualified from the exam.

## Evaluation

- The scores for the computational problems will be evaluated. And a cut-off will be determined based on this. Those participants who cross this cut-off will be evaluated for the descriptive problems. The 3rd year UG students will be evaluated via the same procedure, but will be ranked separately i.e, separate cut-offs will be determined for them.

- Based on the final culminated scores, rank lists will be made. Ties will be broken based on the score in the subjective section.
- Top x number of students will be selected for the next round. The value of x will be decided later.
- The selected students will be invited to IISc campus during pravega for the final round, which will be completely subjective.

## Miscellaneous

- As co-ordinators we reserve the right to change any rule in this document at our will.
- The exam will be conducted only in English.
- The participants are requested not to post the problems on any online platform, untill atleast one day after the exam.