

# *Decoherence* Preliminary Objective Round - Instructions and General Guidelines

13<sup>th</sup> October, 2024

1. The preliminary round of *Decoherence* will be held on the 13<sup>th</sup> of October this year.
2. All students from grade 11, grade 12, and those pursuing their undergraduate degree or integrated masters (four years UG plus one year masters) degree as of January 2025 are eligible to participate **in teams of three**. Members of a team need not be from the same institute.
3. The question paper will contain questions on physics and astronomy and shall mostly consist of objective and short-answer questions.
4. All questions are compulsory.
5. The exam will be of six hours duration, starting at 11:00 AM IST and ending at 05:00 PM IST. This includes the time to upload any images/scanned documents (if required). Note that the deadline is **strict** and no submission after 5:00 PM will be accepted.
6. Every document submitted (if required) must be in the PDF format.
7. The maximum marks awarded shall be indicated against each question.
8. The exam is going to be an open-book and open-internet test, so you shall be free to use any material you have and any resources available online.
9. You are **not** allowed to discuss any aspect of the questions given in the paper with anyone outside your team. Any violation of this clause will lead to **disqualification** from Pravega Decoherence 2025.
10. Only **one submission per team** will be allowed.
11. Responses to any question and clarifications will be updated in the 'Clarifications Document', which will be shared with you for viewing following the exam.
12. The results for the preliminary round will be announced on the 31st of October this year and the selected teams shall qualify to participate in the finals to be held at IISc in January-February 2025.