



## ATOMS-TO-ASTRONOMY

### Pool Event

Points: 25

#### General Rules:

1. The Event will be conducted in two rounds Prelims and finals.
2. Teams of two or less can participate and there is no limit on the number of teams from each pool. Registration is on the spot.
3. After the prelims, 6 teams based only on merit will qualify for the finals.
4. The points of prelims will be carried forward to the finals, with a predefined weightage.
5. This event will be a 'Team Event' i.e. the points will be awarded to teams irrespective of the pool to which the team belong. There is no restriction on the number of participating teams per pool.
6. A set of theoretical problems on Astrophysics would be handed on spot during prelims. This round has a set of many problems which are theoretically easy.
7. The Second round is expected to be a harder version of prelims and any further clarifications will be made onsite.
8. Cheating in any form will not be tolerated and the team will be disqualified in such cases. The coordinators and the jury will reserve the right to disqualify the teams in this scenario.
9. In case of any disputes, the decision of the Astronomy Club coordinators will be final and binding.

#### Format of the event:

##### Prelims:

Some astronomy/astrophysics related problem statements will be handed to you. Judging will be conducted on the basis of the accuracy of the solutions provided. Star marked questions will be used to resolve ties if required.

##### Finals:

In case you assume some data, which is not trivial according to the question, a proper mathematical justification is required to support your assumption and solution. Unnecessary assumptions will be downgraded, if we feel so. Judging will be done based on overall solution presented.