

**INDIAN OLYMPIAD QUALIFIER (IOQ) 2021-2022**  
**in**  
**Astronomy, Biology, Chemistry, Junior Science and Physics**

**Selection Procedure of Orientation-cum-Selection Camps (OCSCs):**

The number of students to be selected for OCSC is 35 in Biology, Chemistry, Junior Science and Physics and 50 in Astronomy unless declared to be otherwise before the IOQ examinations. In the event there is a tie at the last position in the merit list of the respective IOQ Part II, all students with the same marks at the last position will qualify to be selected for the OCSC.

For Astronomy, a target number of 15 students from Group A and 35 students from Group B will be selected, according to respective order of merit in Part II of IOQA (see criteria for evaluation of IOQ Part II for definition of the groups). Thus a total of 50 students will be selected for OCSC-Astronomy. Selection of the team to represent India in IOAA will NOT be based on the above groups, but will be done purely on the basis of a combined merit list of all students attending OCSC-Astronomy.

The following procedure will be applied for selection of students for OCSCs. In a given year, a student can participate in the orientation/ training/ selection of only one subject including Mathematics (OCSC for the five science subjects, or International Mathematical Olympiad Training Camp (IMOTC)) according to a preference order decided by the student himself/herself. A student who qualifies in more than one subject (on the basis of his/her performance in IOQ or Indian National Mathematical Olympiad (INMO)) will be invited to the OCSC that is ranked highest in his/her preference list. The procedure is as follows:

- Before IOQ/INMO: A student who qualifies to appear in more than one subject in IOQ/INMO will be asked to arrange the subjects in order of preference of attending the OCSC/IMOTC (and therefore competing for selection in the international team). This preference will have to be indicated during the registration for IOQ. This will not affect in any way the evaluation of his/her IOQ/INMO performance in any subject.
- After IOQ/INMO: A target number of students will be invited to the OCSC camp of each subject. The students in each subject will be assigned a rank according to his/her performance in the respective IOQ (Part II)/INMO.
- If a student obtains qualifying marks in IOQ Part II in multiple subjects, he/she will be included only in the OCSC/IMOTC for the subject which figures highest in his/her preference list among the subjects in which he/she has obtained qualifying marks. His/her name will not be considered for OCSC/IMOTC in the other subjects, and the next students in those subjects will be considered, till the target number of students is reached in each subject.
- Irrespective of selection or participation in OCSC/IMOTC, the student will receive a Certificate of Merit in every subject in which his/her score is equal to or higher than the score of the last selected student in that subject.

The process of selection is illustrated below in an example with three possible cases. We consider the example of a student, Amita, who has qualified for evaluation of Part II of IOQ in Astronomy, Physics and Chemistry. During registration of IOQ, she had declared her preference in the order: Physics, Chemistry, Astronomy. In this example, the target number of students in each subject is 35.

Case 1: Based on her IOQ performance, Amita is ranked 17th in Physics, 15th in Chemistry and 4th in Astronomy. She will be selected in Physics OCSC and her name will not be included in Chemistry or Astronomy OCSCs. As a result, all the students ranked below her in Chemistry and Astronomy

will gain one rank while being considered for OCSC selection. Amita will receive a certificate of merit in all three subjects.

Case 2: Amita is ranked 80th in Physics, 15th in Chemistry and 4th in Astronomy. She is unlikely to be selected for Physics OCSC because her rank is too low to be upgraded to less than 35. She will now be selected in Chemistry OCSC, and not for Astronomy. She will receive a certificate of merit in Chemistry and Astronomy.

Case 3: Amita is ranked 37th in Physics, 15th in Chemistry and 4th in Astronomy. She is initially not eligible for Physics, but has qualified for Chemistry and Astronomy. However, it so happens that two students ranked above her in Physics get selected in some other subject based on their preferences. Since their names are now removed from the Physics list, Amita's rank goes up to 35, and she becomes eligible for Physics which is her first preference. Therefore she gets selected in Physics, and not in Chemistry or Astronomy. She will receive a certificate of merit in all three subjects.