

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

Eligibility Criteria for Evaluation of Part II of IOQ (INBO, INChO, INJSO, INPhO):

Part I of IOQ (NSE) will be used as a screening examination for Part II (INO). The evaluation of Part II (INBO, INChO, INJSO, INPhO) will be carried out only for students who would qualify on the basis of their performance in Part I (NSEB, NSEC, NSEJS, NSEP) according to the criteria given below.

- (a) **Minimum Admissible Score (MAS) Clause:** To be eligible for evaluation of Part II, a student must secure a score equal to or greater than a Minimum Admissible Score (MAS) in Part I. The MAS for a given subject will be 50% of the average of the top ten scores in that subject rounded off to the nearest lower integer.
- (b) **Merit Index (MI) Clause:** There will be a high score called the Merit Index (MI) associated with each subject in Olympiads. The MI in a subject is defined as 80% of the average of the top ten scores in that subject rounded off to the nearest lower integer. All students with a score equal to or greater than merit index MI for the subject will automatically qualify for evaluation of Part II in that subject. For example, if the average of top ten scores in a certain subject is 92, then 80% of this is 73.6. Then the MI in that subject will be 73. All students with a score equal to or above 73 in that subject will automatically qualify for evaluation of Part II.
- (c) **Proportional Representation Clause:** Students from all States and UTs need to be encouraged to appear for the Olympiads and a nationwide representation is desirable. The quota for each State/UT used in National Talent Search Examination (NTSE) 2021-21, a nationwide competitive examination will be used as the baseline for calculating the number of students qualifying for evaluation of Part II in every subject from centres in that State or UT. The target total number of students to be selected in each subject is 300. Suppose the NTSE quota is S for a State, and the total for all States and UTs is T , then the total number of students to be evaluated for Part II from that State would be S/T times 300, rounded off to the nearest higher integer. This number will include those selected on the basis of the Merit Index Clause (b). In the event of tie at the last position in the list, all students with same marks at this position will qualify to be evaluated for Part II. The selected students must nevertheless satisfy the MAS Clause (a). The number to be selected from all the centres in each State or UT will be displayed on the IAPT website (www.iapt.org.in).
- (d) **Minimum Representation Clause:** Notwithstanding the Proportional Representation Clause the number of students selected for evaluation of Part II from each State/UT must be at least five, provided that the MAS Clause (a) is satisfied.

For the purpose of the above two clauses, a student will be considered to belong to the state of the location of her/his school where she/he is studying, and not to the state where she/he appeared for the examination, or where she/he resides. The above criteria are illustrated with the following examples:

- i. Let the quota on the basis of the Proportional Representation Clause (c) for a State S_1 be 20. Suppose the number of students satisfying the Merit Index Clause (b) in a subject is 10. These 10 students will qualify for evaluation of Part II in the given subject and an additional 10 students from the State S_1 in the given subject will be selected merit-wise, provided they satisfy the MAS Clause (a).
- ii. Let the quota on the basis of the Proportional Representation Clause (c) for a State S_1 be 20. Suppose the number of students satisfying the Merit Index Clause (b) in a subject is 30. In

this case, all 30 students will qualify for evaluation of Part II in the given subject, and there will be no further selection from the State S1.

- (e) **Non-resident Representation Clause:** The number of students selected for evaluation of Part II from among students enrolled in schools located outside the Union of India will be two, provided that the MAS Clause (a) is satisfied. This number will include those selected on the basis of the Merit Index Clause (b).
- (f) **Minimum Total Number Clause:** In each subject, after all the above criteria have been applied, it is possible that the target number of 300 students to be selected for evaluation of Part II is not reached (due to non-availability of enough number of students in some states who satisfy MAS Clause (a)). In such an event, additional students will be selected purely merit-wise, provided MAS Clause (a) is satisfied, till the target number of 300 is reached. Other clauses will not apply for these students. In case of a tie at the last position, all students with the same marks at this position will qualify to be evaluated for Part II.
- (g) **Previous International Representation Clause:** Students who have represented India in the International Olympiad on a previous occasion (IOAA, IBO, IChO, IJSO, IPhO, APhO, and IAO-Jr) will qualify for evaluation of Part II in the respective subject (irrespective of score in Part I). However, they must appear for the entire IOQ examination, including Part I, in the respective subject. Students who were eligible to be selected for the Indian team in an International Olympiad in the year 2021, but could not participate due to Indian withdrawal from the event can also avail of this clause.

Eligibility criteria for Evaluation of Part II of IOQA (INAO):

In order to encourage younger students to participate in astronomy Olympiad the rules of qualification for evaluation of Part II in IOQA (i.e., INAO) are modified as below:

- The student pool of IOQA will be divided into two groups:
 - Group A: Students who are in Class XII as of November 30, 2021
 - Group B: Students who are in Class XI or lower as of November 30, 2021
- For evaluation of Part II, a target number of 250 students will be selected from each group. Thus, a total of 500 students will be selected.
- The MI and MAS will be calculated separately for each of these groups.
- All the clauses ((a) to (g) above) of selection will be applied separately to each group. The question paper of IOQA will be identical for the two groups.