

## CERTIFICATE CRITERIA FOR IOQM 2024

From this year upto two certificates will be awarded to each student: the **National Certificate** and a **Regional certificate** from the region the student participates. Rules for determining the cutoff for the same are stated below:

### NATIONAL CERTIFICATE

- (1) Let  $N$  be the number of candidates who wrote the IOQM exam.
- (2) The cutoff  $C$  is the smallest possible integer such that the number of students who score  $\geq C$  marks is  $\leq (10\%$  of  $N$ ).
- (3) The **National Certificate** is awarded to all students with score  $\geq C$ .

### REGIONAL CERTIFICATE

- (1) Relevant cutoff for the **Regional Certificate** is dependent on the region from which the student participated. List of regions can be found at the link <https://www.mtai.org.in/rmo-region-codes/>.
- (2) Let  $N_{\mathbf{R}}$  be the number of candidates who wrote the IOQM exam from the region  $\mathbf{R}$ .
- (3) The regional cutoff  $C_{\mathbf{R}}$  is the smallest possible integer such that the number of students who score  $\geq C_{\mathbf{R}}$  marks from the region  $\mathbf{R}$  is  $\leq (10\%$  of  $N_{\mathbf{R}}$ ).
- (4) A **Regional Certificate** is awarded to all students who participated from region  $\mathbf{R}$  and have a score  $\geq C_{\mathbf{R}}$ .

*Remark.* Since the regional cutoff may be both less than or more than the national cutoff, a student may get the **National Certificate** or the **Regional Certificate** or both or none.

*Remark.* Criteria for qualification from IOQM 2024 to RMO 2024 are laid by HBCSE and can be found here:  
<https://olympiads.hbcse.tifr.res.in/wp-content/uploads/2024/08/RMO-2024.pdf>