

SELECTION POLICY (REVISED) FOR ADMISSION TO ISI IN 2020

1 Detailed Admission Process (Revised) for Programmes being offered by ISI in 2020¹

Each applicant is required to take one or two written tests, the number of written tests being fixed for each programme. In addition, applicants for the **JRF programmes** are called for interviews based on their performance in the written tests. The decision to admit an applicant is based on her/his composite score derived on the basis of her/his performance in written test(s) and interview (if applicable).

The final selection of an applicant is based on a stage-wise process which is governed by a set of pre-declared parameters that are listed in Tables I and II. Each stage comprises

1. preparation of a score-list (i.e., the list of scores obtained by all applicants OR by applicants who are shortlisted from the previous stage);
2. determination of Qualifying Score (if not pre-declared) from a predeclared number p : If a programme has N seats then the score of the $p \times N$ -th candidate in the score-list will be determined as the qualifying score q for that particular stage.
3. shortlisting of candidates by applying the Qualifying Score;
4. preparation of a list of applicants who have qualified to proceed to the next stage (hereafter referred to as shortlisted applicants).

Special Case of Written Test Waiver

Waiver of written test is granted to

- (i) applicants to the B.Stat./B. Math. programmes who are INMO (conducted by NBHM) awardees.
- (ii) applicants to the M.Tech. (CS/CrS) programmes who have GATE scores above a cut-off set by the Selection Committee.
- (iii) applicants to a Junior Research Fellowship (JRF) programme who have obtained a Master's degree in the relevant discipline from Indian Statistical Institute with at least 75% in the aggregate without any back-paper or compensatory examination in any course during the entire programme, and are applying within two years of graduating.

¹Pursuant to announcements made by the Dean of Studies through Notices dated [May 19, 2020](#) and [June 15, 2020](#)

These candidates are also required to apply, like all other candidates, in the prescribed application form.

Among all applicants eligible for written-test waiver, only candidates belonging to category no. (iii) will be called directly for interview by the corresponding selection committee. If the candidates fail to appear in the interview their candidature will be cancelled.

2 Preparation of Score Lists and Stage-wise Shortlisting

2.1 Programmes for which the first shortlist is based on Written Test I only

- **First score list:** All answer scripts from Written Test I are graded. The tabulated score sheet of scores obtained in Written Test I by all candidates is the first score list.

– Stage I Shortlisting

- * If a programme has N seats then the lowest score of the top $p_1 \times N$ candidates will be set as the Qualifying Score, where $p_1 > 1$
 - * The score of the $p_1 \times N$ th candidate will be deemed as the GEN qualifying score q_1 . The qualifying score for OBC will be $0.9 \times q_1$ and the qualifying score for SC/ST/PwD will be $0.7 \times q_1$.
 - * All candidates whose scores are equal to or above the respective (category wise) qualifying score will be deemed to have been short listed in Stage I.
- **Second score list:** Written Test II answer scripts of candidates short listed in Stage I (see above) are graded. Weighted sum of scores for stage II (WSSII) is computed:

$$WSSII = A_1 \times \text{Written Test I Score} + B_1 \times \text{Written Test II Score.}$$

The tabulated score sheet of $WSSII$ obtained by the candidates who were shortlisted in Stage I, is the second score list.

– Stage II Shortlisting

- * If a programme has N seats then the lowest score of the top $p_2 \times N$ candidates will be set as the Qualifying Score, where $p_1 > p_2 > 1$
 - * The score of the $p_2 \times N$ th candidate will be deemed as the GEN qualifying score q_2 . The qualifying score for OBC will be $0.9 \times q_2$ and qualifying score for SC/ST/PwD will be $0.7 \times q_2$.
 - * All candidates whose scores are equal to or above the respective (category wise) qualifying score will be deemed to have been short listed in Stage II².
- **Third score list (For JRF programmes only):** All stage II shortlisted (see above) candidates are called for interview. Weighted sum of scores for stage III (WSSIII) is computed:

$$WSSIII = A_2 \times \text{Written Test I Score} + B_2 \times \text{Written Test II Score} + C \times \text{Interview Score.}$$

The tabulated score sheet of $WSSIII$ obtained by the candidates who were shortlisted in Stage II, is the third score list.

²For M. Tech (CS) and M. Tech (CrS) programmes, candidates with GATE score above the declared cut-off will be added to Stage II short-list after converting their GATE scores to an equivalent score as explained in Section 2.3 below.

– *Stage III Shortlisting:*

- * If a programme has N seats then the lowest score of the top $p_3 \times N$ candidates will be set as the Qualifying Score, where $p_1 > p_2 > p_3 > 1$.
- * The score of the $p_3 \times N$ th candidate will be deemed as the GEN qualifying score q_3 . The qualifying score for OBC will be $0.9 \times q_3$ and qualifying score for SC/ST/PwD will be $0.7 \times q_3$.
- * All candidates whose scores are equal to or above the respective qualifying score will be deemed to have been short listed in Stage III.

• **Final Rank-ordered Merit List**

- For programmes other than the JRF programmes, the tabulated score sheet of scores obtained by the candidates after Stage II shortlisting is the Final Rank-ordered Merit List.
- For all JRF programmes, the tabulated score sheet of scores obtained by the candidates after Stage III shortlisting is the Final Rank-ordered Merit List.

From this ranking candidates will be offered admission to a programme until the seats are filled in accordance with the with the **Reservation Policy** and **Admission Rules**.

2.2 Programmes for which the first shortlist is based on Written Test I and Written Test II

- **First score list:** All answer scripts from Written Test I and Written Test II are graded. The tabulated score sheet of scores obtained in Written Test I and Written Test II by all candidates is the first score list.

– *Stage I Shortlisting*

- * Qualifying Score q_1 for Test I and q'_1 for Test II may be set beforehand.
- * Qualifying score for OBC will be $0.9 \times q_1$ and $0.9 \times q'_1$ respectively and qualifying score for SC/ST/PwD will be $0.7 \times q_1$ and $0.7 \times q'_1$ respectively in Test I and Test II.
- * All candidates whose scores in Test I and in Test II are equal to or above the respective (category wise) qualifying score will be deemed to have been short listed in Stage I.

- **Second score list:** Weighted sum of scores for stage II (WSSII) are computed:

$$WSSII = A_1 \times \text{Written Test I Score} + B_1 \times \text{Written Test II Score}.$$

The tabulated score sheet of $WSSII$ obtained by the candidates who were shortlisted in Stage I, is the second score list.

– *Stage II Shortlisting*

- * If a programme has N seats then the lowest score of the top $p_2 \times N$ candidates will be set as the Qualifying Score, where $p_2 > 1$

- * The score of the $p_2 \times N$ th candidate will be deemed as the GEN qualifying score q_2 . The qualifying score for OBC will be $0.9 \times q_2$ and qualifying score for SC/ST/PwD will be $0.7 \times q_2$.
 - * All candidates whose scores are equal to or above the respective (category wise) qualifying score will be deemed to have been short listed in Stage II.
- **Third score list (For JRF programmes only):** All stage II shortlisted (see above) candidates are called for interview. Weighted sum of scores for stage III (WSSIII) is computed for all candidates:

$$WSSIII = A_2 \times \text{Written Test I Score} + B_2 \times \text{Written Test II Score} + C \times \text{Interview Score.}$$

The tabulated score sheet of $WSSIII$ obtained by the candidates who were shortlisted in Stage II, is the third score list.

– *Stage III Shortlisting*

- * If a programme has N seats then the lowest score of the top $p_3 \times N$ candidates will be set as the Qualifying Score, where $p_2 > p_3 > 1$.
 - * The score of the $p_3 \times N$ th candidate will be deemed as the GEN qualifying score q_3 . The qualifying score for OBC will be $0.9 \times q_3$ and qualifying score for SC/ST/PwD will be $0.7 \times q_3$.
 - * All candidates whose scores are equal to or above the respective qualifying score will be deemed to have been short listed in Stage III.
- **Final Rank-ordered Merit List:** For programmes other than the JRF programmes, the tabulated score sheet of scores obtained by the candidates after Stage II shortlisting is the Final Rank-ordered Merit List. For the JRF programmes, the tabulated score sheet of scores obtained by the candidates after Stage III shortlisting is the Final Rank-ordered Merit List. From this ranking candidates will be offered admission to a programme until the seats are filled in accordance with the **Reservation Policy** and **Admission Rules**.

2.3 Placement of candidates for whom the Written Tests are waived

- Applicants of B. Stat. (Hons) and B. Math. (Hons) programmes who are INMO awardees will be directly offered a rank in the Merit List. If UGA_{max} and UGB_{max} are the maximum scores in the UGA and UGB scorelists of all candidates appearing for the Written Tests, then the INMO candidates will be placed on the top of the UGA and UGB score lists with scores UGA_{max} and UGB_{max} respectively. The scorelists for B.Stat and B.Math programmes will be dealt separately.
- Written Tests are waived for the candidates applying for M. Tech (CS) or M. Tech (CrS) programmes and having a valid GATE score 770 (out of 1000) or above. These candidates will be included in the Final Rank-ordered Merit List after converting their GATE score to a score y as per the following rule:

If the GATE score of a candidate is x then the equivalent score y will be computed as

$$y = (WSSII_{max} - WSSII_{min}) * (x - GATE_{min}) / (GATE_{max} - GATE_{min}) + WSSII_{min},$$

where $WSSII_{max}$ and $WSSII_{min}$ denote the maximum and the minimum of the scores in the WSSII scorelist (see Section 2.1) for the M. Tech(CS) and/or M. Tech(CrS). $GATE_{max}$ and $GATE_{min}$ denote the maximum and the minimum of the GATE scores of all applicants for whom the Written Tests are waived.

- For an applicant of a Junior Research Fellowship (JRF) programme who has obtained a Master's degree in the relevant discipline from Indian Statistical Institute with at least 75% in the aggregate without any back-paper or compensatory examination in any course during the entire programme, and is applying within two years of graduating, the written test will be waived.

These candidates will be included in Stage II shortlist with fixed scores in the Written Test I and Written test II. The score of all such candidates in Written Test I and Written Test II will be computed as

$$\frac{3}{4} \times WT_{max},$$

where WT_{max} is the maximum marks in the ISI Written test (Written Test I or Written test II) prescribed for the programme.

3 Remarks

3.1 Declarations of parameters

1. The ratio $[C \times \text{Interview Score}] : [A_2 \times \text{Test I Score} + B_2 \times \text{Test II Score} + C \times \text{Interview}]$ will not exceed 0.50 for JRF programmes.

3.2 Lists: Preparation/Publishing

1. Not all stages under 2.1 and 2.2 are mandatory; A selection process may have fewer stages. However, scores of all written tests and interview (wherever applicable) must contribute towards the final selection of a candidate.
2. For programmes that use only one written test Stage II preparation is to be omitted. For all non-JRF programmes, Stage III is omitted.
3. If a candidate is shortlisted at any stage under relaxed reservation norms then the candidate (if shortlisted in future stages) shall remain on the reserved category lists.

Table I: Selection Parameters for Admission 2020 – 2021 (Revised)

Program name	Number of seats (N)	Maximum Marks			Stage 1		Stage 2		
		Test I	Test II	Interview	p ₁	A ₁	B ₁	p ₂	
B Stat	50	120	80	NA	7	1	3	1.3	
B Math	50	120	80	NA	10	2	9	1.5	
M Stat	30	120	120	NA	6.5	1	2.5	1.4	
M Math	20	120	80	NA	6	1	3.5	1.25	
MS (QE)	45*	120	120	NA	5	1	2	2	
MS (QMS)	16	120	120	NA	4	1	2	1.5	
MS LIS	10	120	120	NA	5	1	2	1.5	
M Tech (CS)	35	120	100	NA	8	1	2	4	
M Tech (CrS)	20	120	100	NA	8	1	2	4	
M Tech (QROR)	25	120	120	NA	4	2	3	1.12	
PGD ARSMA	15	120	NA	NA	1.4	NA	NA	NA	
PGD SMA	30 [^] +15 ^{**}	120	NA	NA	1.2	NA	NA	NA	

* These include 27 seats in Delhi and 18 seats in Kolkata

[^] These include 15 seats in Chennai and 15 seats in Tezpur (ISI North East centre)

** These seats are reserved for domicile of North East States. Selection policy will be separately applicable to this category.

Table II: Selection Parameters for Admission 2020 – 2021 (Revised)

Program Name	Number of seats	Maximum Marks			Stage I			Stage 2				Stage 3			
		Test I	Test II	Interview	p ₁	q ₁	q ₁ '	A ₁	B ₁	p ₂	q ₂	A ₂	B ₂	C	p ₃
JRF in Statistics	10	120	120	100		20	20	2	3	1.5		2	3	4	1.2
JRF in Mathematics	12	100	100	100				1	1	3.5		2	2	1	1.25
JRF in Quantitative Economics	5	100	100	100		25	25	1	1	5		1	1	2	3
JRF in Computer Science	16+5	120	100	40				1	3	2		1	3	4.5	1.2
JRF in Quality, Reliability and Operations Research	2+2	120	120	50	4			1	2	2		1	2	3	1.4
JRF in Physics and Applied Mathematics	4+1	120	100	50		40	40	0.1	0.9	3		0.1	0.9	1	2
JRF in Development Studies	2	120	100	10	18			1	1	8		2	3	5	2
JRF in Biological Science	1+1	120	90	100	25			1	2	5		1	2	1	2
JRF in Library and Information Science	3	120	100	100		40		1	1	3		1	2	2	1.5