

## SELECTION POLICY (REVISED)<sup>1</sup> IN ADMISSION 2021-2022

### 1 Description of Admission Process (Revised) for a Program Run by the Institute

Each applicant takes 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 test(s). The decision to admit an applicant is based on a composite score derived on the basis of his/her performance in written test(s) and the interview (if applicable).

The final selection of an applicant is based on a stage-wise process. Each stage comprises

1. preparation of a score-list (i.e. 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 program has  $N$  seats then the score of the  $p \times N$ -th candidate in the scorelist 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).

If a JRF candidate fails to appear in the interview his/her candidature will be cancelled.

Special Case of Written Test Waiver: Waiver of written test is granted to

- (i) applicants to B.Stat./B. Math. who are INMO (conducted by NBHM) awardees.
- (ii) applicants to M.Tech. (CS) who have GATE scores above a cut-off set by the Selection Committee.

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

---

<sup>1</sup>Pursuant to announcements made by the Dean of Studies through Notice dated June 16, 2021

## 2 Preparation of Score Lists and Stage-wise short listing

### 2.1 Programs in 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 Short listing:
    - \* If a program 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 and EWS 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 (for degree programmes only):* 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 Short listing:
  - \* If a program 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 and EWS 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:

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

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

- Stage III Short listing:
  - \* If a program 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 and EWS 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.

For programmes other than the JRF programmes, the tabulated score sheet of scores obtained by the candidates after stage II shortlisting and rank-ordering 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 and rank-ordering is the Final Rank-Ordered Merit List. From this ranking students will be offered admission to a program until the seats are filled in accordance with the **Reservation Policy** and **Revised Admission Rules**.

## 2.2 Programs in 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 Short listing:

- \* Qualifying Score  $q_1$  for Test I and  $q'_1$  for Test II may be set beforehand. Alternatively, these may be determined from the number of seats  $N$  and a pre-declared number  $p_1$  (see Section 1(2)). This will be deemed as GEN and EWS qualifying score.
- \* 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 Short listing:

- \* If a program 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 and EWS 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 Short listing:

- \* If a program 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 and EWS 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 and rank-ordering 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 and rank-ordering is the Final Rank-ordered Merit List. From this ranking students will be offered admission to a program until the seats are filled in accordance with the **Reservation Policy** and **Revised 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 given a rank on top of the merit list. The merit lists for B.Stat and B.Math programmes will be prepared separately.
- Written tests are waived for M. Tech (CS) or M. Tech (CrS) candidates having a valid GATE score 760 (out of 1000) or above. The qualifying score for OBC is 684 and the qualifying score for SC/ST/PwD is 532. These candidates will be included in the Final Rank-ordered Merit List after their GATE score is converted to a score 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) candidates taken together.  $GATE_{max}$  and  $GATE_{min}$  denote the maximum and the minimum of the GATE scores of all the applicants to these two programmes for whom the Written Tests are waived.

## 3 Remarks

### 3.1 Declarations of parameters

1. The ratio  $[C \times \text{Maximum score in Interview}] : [A_2 \times \text{Maximum score in Test I} + B_2 \times \text{Maximum score in Test II} + C \times \text{Maximum score in Interview}]$  will not exceed 0.5 for JRF Programs.

**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 (where applicable) must contribute towards the final selection of a candidate.
2. For programs that use only one written test followed by interview, 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 2021–2022 (Programmes other than JRF)**

Programme name	Number of seats (N)	Maximum score		Stage-I	Stage-II		
		Test I	Test II	$p_1$	$A_1$	$B_1$	$p_2$
<b>B Stat</b>	55	120	80	8	1	3	1.4
<b>B Math</b>	55	120	80	8	1	3	1.4
<b>M Stat</b>	34	120	120	6	1	2.5	1.4
<b>M Math</b>	22	120	80	6	1	3.5	1.4
<b>MS (QE)</b>	50*	120	120	3.6	1	2	1.4
<b>MS (QMS)</b>	18	120	120	4	1	2	1.5
<b>MS LIS</b>	12	120	100	5	1	2	1.5
<b>M Tech (CS)</b>	41	120	100	5	1	2	1.4
<b>M Tech (CrS)</b>	22	120	100	5	1	2	1.4
<b>M Tech (QROR)</b>	28	120	120	4	2	3	1.12
<b>PGD SMA</b>	39 <sup>^</sup> +18 <sup>**</sup>	120	NA	1.6	NA	NA	NA
<b>PGD ARSMA</b>	18	120	NA	1.67	NA	NA	NA

\* These include 30 seats in Delhi and 20 seats in Kolkata.

<sup>^</sup> These include 22 seats in Chennai and 17 seats in Tezpur (ISI North East centre).

<sup>\*\*</sup> 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 2021–2022 (JRF Programmes)

Programme name	Number of Seats (N)	Maximum score			Stage 1			Stage 2				Stage 3			
		Test I	Test II	Interview	p <sub>1</sub>	q <sub>1</sub>	q <sub>1</sub> '	A <sub>1</sub>	B <sub>1</sub>	p <sub>2</sub>	q <sub>2</sub>	A <sub>2</sub>	B <sub>2</sub>	C	p <sub>3</sub>
JRF in Statistics	11	120	120	100		25	25	2	3	1.5		2	3	6	1.2
JRF in Mathematics	12	100	100	100				1	1	3		1	1	2	1.5
JRF in Quantitative Economics	10	100	100	100		30	30	1	1	5		1	1	2	3
JRF in Computer Science	20	120	100	40		48	40	1	3	2		1	3	4.5	1.2
JRF in Quality, Reliability & Operations Research	2	120	120	50	4			1	2	2		1	2	3	1.4
JRF in Physics and Applied Mathematics	3	120	100	50		40	40	0.1	0.9	3		0.1	0.9	1	2
JRF in Geology	3	100	100	100				1	1	3		1	1	1	2
JRF in Biological Science (Agricultural and Ecological Research)	3	120	90	100	10			1	2	4		1	2	1	2
JRF in Library and Information Science	1	120	100	100		40		1	2	4		1	2	2	2