

Institute Assistantship Test for PhD Applicants with MTech/MDes/MS(R) qualification without GATE/CEED

IIT Guwahati made a provision for availing Institute Assistantship for a PhD student without GATE/CEED but having the qualification of MTech/MDes/MS(R). If such an applicant is shortlisted, he/she may be allowed to appear in a Written Test on a prescribed syllabus. The candidates qualified in the Written Test will be considered for the selection process.

Pre-requisite: Application for PhD programme must be under “**Regular**” category.

Qualification: MTech/MDes/MS(R) who have **NOT** qualified GATE/CEED.

[Clarification-1: This test is not required for those with MTech/MDes/MS(R) who have qualified GATE/CEED at some point of time.]

*[Clarification-2: This test is not applicable to the candidates with BTech/MSc/MA/MBA qualification. They require **valid** GATE score]*

Written Test Modalities:

Mode: Offline test conducted at IIT Guwahati campus (*typically, one or two days before the schedule of selections*)

Duration: 2-3 Hours (to be decided by the respective academic division)

Qualifying Criteria: (i) 40% for GEN or GEN-EWS (ii) 36% for OBC-NCL (iii) 26% for SC/ST/PwD

Syllabus: Discipline wise syllabus for the Written Test is given in the following table.

| S. No. | Name of the Academic Division | Discipline Wise Syllabus |
|--------|--|---|
| 1 | Department of Computer Science and Engineering | Click Here for the Syllabus |
| 2 | Department of Electronics and Electrical Engineering | Candidate can choose one of the following papers for the respective specializations: A) Power Engineering: Click Here for the Syllabus B) Systems, Control and Automation: Click Here for the Syllabus C) Communications Engineering: Click Here for the Syllabus D) VLSI and Nanoelectronics: Click Here for the Syllabus E) Signal Processing and Machine Learning: Click Here for the Syllabus F) Microelectronics, Photonics, and RF Engineering: Click Here for the Syllabus |
| 3 | Department of Mechanical Engineering | Candidate can choose one of the following papers for the respective specializations: A) Machine Design: Click Here for the Syllabus B) Fluids and Thermal Engineering: Click Here for the Syllabus C) Manufacturing and Materials: Click Here for the Syllabus |

| S. No. | Name of the Academic Division | Discipline Wise Syllabus |
|--------|--|---|
| 4 | Department of Civil Engineering | Candidate can choose one of the following papers for the respective specializations: A) Earth System Science and Engineering: Click Here for the Syllabus B) For all other specializations, the syllabus of GATE paper: Civil Engineering (CE) |
| 5 | Department of Biosciences and Bioengineering | Candidate can choose one of the following GATE papers based on the background: A) Biotechnology (BT) : Click Here for the Syllabus B) Life Sciences (XL) : Click Here for the Syllabus |
| 6 | Department of Chemical Engineering | Candidate can choose one of the following papers based on the background: A) Paper-I : Click Here for the Syllabus B) Paper-II : Click Here for the Syllabus |
| 7 | Department of Design | Click Here for the Syllabus |
| 8 | Department of Physics | The GATE paper, Physics (PH) : Click Here for the Syllabus |
| 9 | Department of Chemistry | The GATE paper, Chemistry (CY) : Click Here for the Syllabus |
| 10 | Department of Mathematics | Candidate can choose one of the following GATE papers based on the background: A) Mathematics (MA) : Click Here for the Syllabus B) Statistics (ST) : Click Here for the Syllabus C) Computer Science & Information Technology (CS) : Click Here for the Syllabus |
| 11 | Department of Humanities and Social Sciences | The syllabus of the relevant GATE paper*. |
| 12 | School of Energy Science and Engineering | Click Here for the Syllabus |
| 13 | School of Agro and Rural Technology | Candidate can choose one of the following papers based on the background: A) Paper-I : Click Here for the Syllabus B) Paper-II : Click Here for the Syllabus C) Paper-III : Click Here for the Syllabus |
| 14 | School of Business | The syllabus of the relevant GATE paper*. |
| 15 | Mehta Family School of Data Science and AI | Click Here for the Syllabus |

| S. No. | Name of the Academic Division | Discipline Wise Syllabus |
|--------|---|---|
| 16 | Centre for Disaster Management and Research | Candidate can choose one of the following papers based on the background: A) Paper-I: Click Here for the Syllabus B) Paper-II: Click Here for the Syllabus C) Paper-III: Click Here for the Syllabus |
| 17 | Centre for Drone Technology | The syllabus of the relevant GATE paper*. |
| 18 | Centre for the Environment | Click Here for the Syllabus |
| 19 | Centre for Indian Knowledge Systems | The syllabus of the relevant GATE paper*. |
| 20 | Centre for Linguistic Science and Technology | Click Here for the Syllabus |
| 21 | Centre for Nanotechnology | The syllabus of the relevant GATE paper*. |
| 22 | Centre for Sustainable Polymers | Click Here for the Syllabus |
| 23 | Centre for Sustainable Water Research | Click Here for the Syllabus |
| 24 | Centre for Intelligent Cyber-Physical Systems | The syllabus of the relevant GATE paper*. |
| 25 | Jyoti and Bhupat Mehta School of Health Sciences and Technology | Candidate can choose one of the following GATE papers based on the background: A) Electronics & Communication Engineering (EC): Click Here for the Syllabus B) Electrical Engineering (EE): Click Here for the Syllabus C) Mechanical Engineering (ME): Click Here for the Syllabus D) Chemical Engineering (CH): Click Here for the Syllabus E) Physics (PH): Click Here for the Syllabus F) Chemistry (CY): Click Here for the Syllabus G) Biomedical Engineering (BM): Click Here for the Syllabus H) Biotechnology (BT): Click Here for the Syllabus I) Life Sciences (XL): Click Here for the Syllabus |

[*Click Here for GATE 2024 Test Papers and Syllabus](#)