



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी  
Indian Institute of Technology Guwahati

Ref. No. RT/07/JT/CWS/2026/01

Date: 29/7/2026

अधिसूचना/ NOTIFICATION

Sub: Syllabus of written examination for the post of "Junior Technician (Trainee)"

Ref: Advertisement no. IITG/R/07/2026 dated 07.07.2026

Maximum Marks: 100

Time: 90 minutes

| Syllabus                            | Number of questions | Marks per question | Total marks |
|-------------------------------------|---------------------|--------------------|-------------|
| General Knowledge & Current Affairs | 20                  | 1                  | 20          |
| Subject of Specialization           | 40                  | 2                  | 80          |

1. The syllabus for General Knowledge and Current Affairs will be common to all the candidates.
2. The syllabus for subject of specialization, prepared based on the educational qualification mentioned in the advertisement is placed at **Annexure A**.
3. All questions will be Multiple Choice Questions (MCQ).
4. Marking Scheme: Full Marks - If **ONLY** the most appropriate correct option is chosen.  
Zero Marks- 0 if none of the options is chosen (unanswered).  
Negative Marks- (-)50% in all other cases.
5. The written examination for the post of Junior Technician (Trainee) will tentatively be held in the month of August 2026 at IIT Guwahati.
6. The date and time of written examination will be declared in due course of time.

7.

| Tie-Breaking Rules in Total Marks                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. The candidate with the highest marks in the subject of specialization section of the question paper will be ranked higher.                                                                                                           |
| 2. If candidates have equal marks in the subject of specialization section of the question paper, the candidate with higher marks in their 10 <sup>th</sup> standard examination will be ranked higher                                  |
| 3. If candidates have equal marks in both in the subject of specialization section of the question paper and their 10 <sup>th</sup> standard examination, the candidates senior in age in terms of Date of Birth will be ranked higher. |

8. Candidates are requested to visit the Institute website (<https://www.iitg.ac.in>) regularly for any update in this regard.

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**Annexure A**

**Syllabus as per subject of specialization**

**Subject: Turner/Machinist/Fitter/Welder (ITI trade)**

**Turner:** Types, specifications, Function of different Parts, different types of operations, accessories & attachments, Cutting Tools, Different parameters related to Lathe machine, Chip formation, Tool Life, Tool Geometry, Fits, Limits and Tolerance, Coolant and Lubricant; Maintenance of Machine, Different types of Gauges and their importance, Types of Metals and Characteristics, safety precautions.

**Machinist:** Types, specifications, Function of different Parts, different types of operations, accessories & attachments, Cutting Tools, Different parameters related to Milling/Shaper/Drilling Machine, Chip formation, Tool Life, Tool Geometry, Fits, Limits and Tolerance, Coolant and Lubricant; Maintenance of Machine, Different types of Gauges and their importance, Types of Metals and Characteristics. safety precautions.

**Fitter:** Different types of operations used in bench and fitting works, different types of holding device and hand tools use in fitting shop, different types of files and process, different types of drills, Fits, Limits and Tolerance, Coolant and Lubricant; Maintenance of Machine, Different types of Gauges and their importance, Types of Metals and Characteristics, safety precautions.

**Welder:** Various types of welding process. i.e arc welding, gas welding, resistant, brazing, soldering etc, various welding parameters, welding defects, different types of electrodes and uses, welded joints and edge preparation, Maintenance of machine and safety precautions.

  
संकायाध्यक्ष, प्रशासन/  
Dean of Administration

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