



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
Indian Institute of Technology Guwahati

Ref. No. R&P/149/JE/2017/1466

Date: 03.09.2025

अधिसूचना/ NOTIFICATION

Sub: Shortlisted /Provisionally Shortlisted/Not Shortlisted/rejected candidates and syllabus for written examination for the post of “Junior Engineer”.

Ref: Advertisement no. IITG/R/01/2025 dated 27.01.2025

Based on the recommendation of the Screening Committee and approval of the Competent Authority of the Institute, the details of shortlisted/provisionally shortlisted/not shortlisted/rejected candidates for the post of Junior Engineer advertised under ref. no. IITG/R/01/2025 dated 27.01.2025 are shown as below:

Details of candidates shortlisted/provisionally shortlisted/not shortlisted	
List of “shortlisted” candidates	Table-1
List of “provisionally shortlisted” candidates	Table-2
List of “not shortlisted” candidates	Table-3
List of rejected applications	Table-4

Important Note for Shortlisted & Provisionally Shortlisted candidates:

1. The Selection will be made based on performance in a written examination to be held at IIT Guwahati. The written examination will be held tentatively in **September 2025**. The date of written examination will be announced in due course of time.
2. Individual call letters will be available for download one week before the written examination from the online recruitment portal <https://online.iitg.ac.in/recruitment>. Call letters will not be sent through any other mode.
3. The syllabus for the written examination is provided at **Annexure-A**.
4. Candidates are requested to visit the Institute website regularly for any update in this regard.
5. The candidates as listed under **Table-2** are requested to submit the documents as mentioned in the 3rd column of **Table-2** by **10.09.2025** for consideration of their candidature.

Important Note for candidates not shortlisted:

1. The candidates, not shortlisted are purely based on the information provided by the candidates in the application.
2. The candidates, not shortlisted, may submit their representation, if any, to the Institute through an email to rec_admin@iitg.ac.in.

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3. Deadline for submission of such representation: on or before **10.09.2025**. Any correspondence made after the due date and time/correspondence made in any other email id shall not be entertained.
4. IIT Guwahati reserves the right to determine the relevance of any experience to the post applied.
5. Mere submission of representation(s) shall not confer any right to the applicant for acceptance of candidature or cannot be construed as an acknowledgement of fulfilling the eligibility criterion/criteria.

List of shortlisted candidates for the post of Junior Engineer against Advt. No. IITG/R/01/2025 dated 27.01.2025

SL. No	Registration No.	SL. No	Registration No.
1	202520022315570	29	202520022325718
2	202520022315712	30	202520022325723
3	202520022315744	31	202520022325726
4	202520022315816	32	202520022325727
5	202520022315837	33	202520022325730
6	202520022315885	34	202520022325760
7	202520022316052	35	202520022325768
8	202520022316328	36	202520022325770
9	202520022316615	37	202520022325775
10	202520022320138	38	202520022325777
11	202520022322377	39	202520022325778
12	202520022324329	40	202520022325790
13	202520022325676	41	202520022325795
14	202520022325677	42	202520022325796
15	202520022325680	43	202520022325797
16	202520022325683	44	202520022325800
17	202520022325687	45	202520022325802
18	202520022325690	46	202520022325803
19	202520022325693	47	202520022325805
20	202520022325696	48	202520022325813
21	202520022325701	49	202520022325815
22	202520022325705	50	202520022325826
23	202520022325706	51	202520022325829
24	202520022325710	52	202520022325831
25	202520022325713	53	202520022325832
26	202520022325714	54	202520022325844
27	202520022325715	55	202520022325846
28	202520022325716	56	202520022325847

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Table-1			
SL. No	Registration No.	SL. No	Registration No.
57	202520022325848	70	202520022325893
58	202520022325851	71	202520022325895
59	202520022325854	72	202520022325896
60	202520022325855	73	202520022325900
61	202520022325857	74	202520022325902
62	202520022325860	75	202520022325904
63	202520022325865	76	202520022325910
64	202520022325867	77	202520022325911
65	202520022325872	78	202520022325912
66	202520022325879	79	202520022325913
67	202520022325882	80	202520022325915
68	202520022325887	81	202520022325920
69	202520022325891	82	202520022325928

List of provisionally shortlisted candidates for the post of Junior Engineer against Advt. No. IITG/R/01/2025 dated 27.01.2025

Table-2		
SL. No	Registration No.	Reason for provisional shortlisting
1	202520022325783	Provisionally shortlisted subject to production of proper degree certificate
2	202520022325858	Provisionally shortlisted subject to production of legible degree certificate.
3	202520022325870	Provisionally shortlisted subject to production of NOC.

List of not shortlisted candidates for the post of Junior Engineer against Advt. No. IITG/R/01/2025 dated 27.01.2025

Table-3		
SL. No	Registration No.	Reason(s) for not shortlisting
1.	202520022318313	Degree is in non-relevant subject.
2.	202520022325685	Degree is not complete.
3.	202520022325712	Degree is in non-relevant subject.
4.	202520022325740	Degree is in non-relevant subject.
5.	202520022325766	Degree is in non-relevant subject.
6.	202520022325779	Degree is in non-relevant subject.
7.	202520022325784	Less than 3 years of experience after diploma.
8.	202520022325786	Less than 3 years of experience after diploma.

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Table-3		
SL. No	Registration No.	Reason(s) for not shortlisting
9.	202520022325792	Less than 3 years of experience after diploma. Experience certificate from NBCC not uploaded
10.	202520022325824	Diploma is not in relevant subject. No experience after diploma.
11.	202520022325838	Less than 3 years of experience after diploma.
12.	202520022325859	Less than 3 years of experience after diploma.
13.	202520022325890	Degree is in non-relevant subject.
14.	202520022325930	Overage

List of rejected application for the post of Junior Engineer against Advt. No. IITG/R/01/2025 dated 27.01.2025

Table-4		
SL. No	Registration No.	Reason(s) for rejection
1.	202520022304618	Duplicate application

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ANNEXURE-A

Syllabus for written examination for the post of Junior Engineer

A. General Intelligence & Reasoning, English Knowledge, Mathematics, General Science

1. General Intelligence & Reasoning: The Syllabus for General Intelligence would include questions of both verbal and non-verbal type. The test may include questions on analogies, similarities, differences, space visualization, problem solving, analysis, judgment, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning, verbal and figure classification, arithmetical number series, etc. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationships, arithmetical computations and other analytical functions.

(These questions will be such that they do not require a special study of any discipline).

2. English Knowledge: (English up to Xth standards) Active & passive voice, direct / indirect formation, fill in the blank, English grammar up to Xth standard.

3. Mathematics: (Xth Standard) Knowledge of Mathematics up to X th standards. Elementary knowledge of Arithmetic, Algebra, Geometry, Trigonometry, Statistics, etc. Circle, triangles, Arc, Square, Rectangles, Mensuration, Equations, Root, under-root, cube root, units of measurements, quadratic equations.

4. General Science: Elementary knowledge of science (Physics, Chemistry, Biology) (Xth Standard)
Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, force and motion, Newton's laws of motion, momentum, force and acceleration, work, energy and power: work done by a force, energy, power; kinetic and potential energy.

Acids, bases and salts: Their definitions in terms of furnishing of H⁺ and OH⁻ ions, General properties, examples and uses, concept of pH scale, importance of pH in everyday life,

Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.

B) Electrical Engineering

Basic concepts: Concepts of resistance, inductance, capacitance, and various factors affecting them. Concepts of current, voltage, power, energy and their units.

Circuit law: Kirchhoff's law, Simple Circuit solution using network theorems.

Magnetic Circuit: Concepts of flux, mmf, reluctance, Different kinds of magnetic materials, Magnetic calculations for conductors of different configuration e.g., straight, circular, solenoidal, etc. Electromagnetic induction, self and mutual induction.

AC Fundamentals: Instantaneous, peak, R.M.S. and average values of alternating waves, Representation of sinusoidal wave form, simple series and parallel AC Circuits consisting of R.L. and C, Resonance, Tank Circuit. Poly Phase system – star and delta connection, 3 phase power, DC and sinusoidal response of R-L and R-C circuit.

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Measurement and measuring instruments: Measurement of power (1 phase and 3 phase, both active and reactive) and energy, 2 wattmeter method of 3 phase power measurement. Measurement of frequency and phase angle. Ammeter and voltmeter (both moving coil and moving iron type), extension of range wattmeter, Multimeters, Megger, Energy meter AC Bridges. Use of CRO, Signal Generator, CT, PT and their uses. Earth Fault detection.

Electrical Machines: (a) D.C. Machine – Construction, Basic Principles of D.C. motors and generators, their characteristics, speed control and starting of D.C. Motors. Method of braking motor, Losses and efficiency of D.C. Machines. (b) 1 phase and 3 phase transformers – Construction, Principles of operation, equivalent circuit, voltage regulation, O.C. and S.C. Tests, Losses and efficiency. Effect of voltage, frequency and wave form on losses. Parallel operation of 1 phase /3 phase transformers. Auto transformers. (c) 3 phase induction motors, rotating magnetic field, principle of operation, equivalent circuit, torque-speed characteristics, starting and speed control of 3 phase induction motors. Methods of braking, effect of voltage and frequency variation on torque speed characteristics. Fractional Kilowatt Motors and Single-Phase Induction Motors: Characteristics and applications.

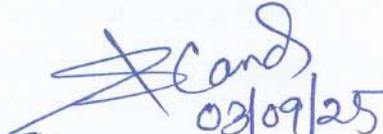
Synchronous Machines - Generation of 3-phase e.m.f. armature reaction, voltage regulation, parallel operation of two alternators, synchronizing, control of active and reactive power. Starting and applications of synchronous motors.

Generation, Transmission and Distribution – Different types of power stations, Load factor, diversity factor, demand factor, cost of generation, inter-connection of power stations. Power factor improvement, various types of tariffs, types of faults, short circuit current for symmetrical faults. Switchgears – rating of circuit breakers, Principles of arc extinction by oil and air, H.R.C. Fuses, Protection against earth leakage / over current, etc. Buchholtz relay, Merz-Price system of protection of generators & transformers, protection of feeders and bus bars. Lightning arresters, various transmission and distribution system, comparison of conductor materials, efficiency of different system. Cable – Different type of cables, cable rating and derating factor.

Estimation and costing: Estimation of lighting scheme, electric installation of machines and relevant IE rules. Earthing practices and IE Rules.

Utilization of Electrical Energy: Illumination, Electric heating, Electric welding, Electroplating, Electric drives and motors.

Basic Electronics: Working of various electronic devices e.g., P N Junction diodes, Transistors (NPN and PNP type), BJT and JFET. Simple circuits using these devices.


03/09/25
संकायाध्यक्ष, प्रशासन/
Dean of Administration