Selection Process for the post of Junior Technical Superintendent [Physics]

(Staff Recruitment Advt. No.: IITDh/Admin/SR/29/2024-25 dated 26th August 2024)

All the shortlisted candidates are required to appear in person for the Written Test (s) scheduled on 16th June 2025 (Monday). The venue for Written Test (s) is IIT Dharwad, Karnataka.

Candidates securing minimum qualifying marks as laid down by the selection committee in Written test I shall be shortlisted for Written test II.

The final selection will be based on aggregate marks obtained from both the written tests (I & II) with weightage of 40% in Written Test I and 60% in Written Test II.

Examination Pattern:
Written Test –I (MCQ Type) (40% Weightage)

Section	Topics/Subjects	Time Duration
1	General Ability Test	**90 Minutes**
2	Technical	

Note: 0.60 Negative Marks for every wrong answer in the MCQ test.

Written Test-II (60% Weightage)

Section	Topics/ Subjects	Time Duration
3	Technical	**30 Minutes**
4	Technical Trade/Skill Test (Pen and Paper) (Questions basically linked to experiments)	**80 Minutes**

Note: 0.60 Negative Marks for every wrong answer in the MCQ test.

Syllabus:

Section	Broad syllabus
1	Synonyms and Antonyms, Error Spotting/ Correction, Phrasal Verbs, Idioms, and Phrases, etc. Number Series, Letter Series, Coding-Decoding, Direction Sense, Logical Reasoning, Mental Reasoning, Percentage, Average, Profit & Loss, Ratio & Proportion, Speed, Distance and Time, Simple and Compound Interest, Simplification, Mathematical Reasoning.
2	Classical Mechanics; Quantum Mechanics; Mathematical Physics; Electricity and Magnetism; Electrodynamics; Optics; Thermodynamics and Statistical Physics; Atomic and Molecular Physics; Condensed Matter Physics; Electronics and Experimental Methods; Nuclear and Particle Physics.
3	Same as syllabus in section 2.
4	M. Sc. Level experiments followed by recognized Indian Universities/Institutes on the topics that includes Mechanics; Optics; Electricity and Magnetism; Electronics; Modern Physics; Solid State Physics; Heat and Thermodynamics.