

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

(Staff Recruitment Advt. No: IITDH/ Admin/Staff Recruitment/26/2023-24 dated 12<sup>th</sup> September 2023)

All the shortlisted candidates are required to appear in person for the Written Test (s) scheduled on 17<sup>th</sup> November 2023 (Friday). The venue for Written Tests is IIT Dharwad, WALMI Campus, Belur Industrial Area, Near High Court Bench, Pune – Bengaluru Road, 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	50 Minutes
2	Technical Questions	

Note: 0.25 Negative Marks for every wrong answer 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: 0.25 Negative Marks for every wrong answer in MCQ questions

### **Syllabus:**

Section	Broad syllabus
1	General Awareness, Reasoning, Quantitative Aptitude, Communication Skills
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.