



Selection Process for the post of Junior Technical Superintendent (Postcode 9)

(Staff Recruitment Advt. No: IITDH/Admin/Staff Recruitment/25/2023-24 dated 1st February 2023)

All the shortlisted candidates are required to appear in person for the Written Test (s). The venue for Written Test (s) 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
1	General Ability Test
2	Technical Questions

Note: 0.25 Negative Marks for every wrong answer MCQ test.

Written Test-II (60% Weightage)

Section	Topics/ Subjects
3	Technical
4	Technical Trade/Skill Test (Pen and Paper)

Note: 0.25 Negative Marks for every wrong answer in MCQ questions, If any.

Syllabus:

Section	Broad syllabus
1	General Awareness, Reasoning, Quantitative Aptitude, Communication Skills
2 & 3	• AC/DC circuits, AC fundamentals-single phase and polyphase AC circuits, principles of measurement, measuring instruments, knowledge of electronic components, basics of digital electronics, logic gates; diode and its applications, zener diode, BJT and MOSFET circuits, OPAMP and its applications, testing and measuring equipments including power supply, function generator multimeter, oscilloscope etc.
4	• AC/DC circuits, AC fundamentals-single phase and polyphase AC circuits, principles of measurement, measuring instruments, knowledge of electronic components, basics of digital electronics, logic gates; diode and its applications, zener diode, BJT and MOSFET circuits, OPAMP and its applications, testing and measuring equipments including power supply, function generator multimeter, oscilloscope etc. • Computer skills: Basic computer terminology, software and hardware questions, microsoft-office, basic knowledge of networking and internet use etc.