

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

(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 13<sup>th</sup> June 2025 (Friday). 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)<br>(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       | Engineering Mechanics; Strength of Materials; Structural Analysis; Building Materials; Estimating and Costing  |
| 3       | Building Planning and Drawing; Water Resources Engineering; Design of Concrete Structures; Design of Steel Structures; Geotechnical Engineering; Transportation Engineering; Environmental Engineering; Construction Technology and Management   |
| 4       | All the experiments of the following laboratories: Solid Mechanics; Concrete Technology; Surveying; Fluid Mechanics and Hydraulics; Geotechnical Engineering; Traffic & Transportation Engineering; Environmental Engineering; Computer Aided Design and Drafting (AutoCAD and STAAD Pro)  |