



Selection Process for the post of Junior Technician [Civil]

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