

Selection Process for the post of Junior Engineer (Civil)

Staff Recruitment Advt. No: IITDH/ Admin/Staff Recruitment/23/2020-2021 dated 02 July 2020

All shortlisted candidates are required to appear for the Stage I (Screening Test), which will be held on 17th August 2021 (Tuesday). Candidates securing minimum 45% marks in the Stage I (Screening Test) will be shortlisted for the Stage II (Trade Test). The Stage II may be conducted on 17 August 2021 or on 18 August 2021. Candidates are supposed to make themselves available on both the day, if required. The venue for both the stages is Administrative Block, IIT Dharwad.

STAGE - I

Screening Test

Question paper pattern and syllabus

The screening test is divided into four sections as follows:

Section	Topics/Subjects	Weightage of marks
1	General knowledge	10%
2	English language and aptitude	20%
3	Computer Skills	30%
4	Basic Civil Engineering	40%

Broad areas of syllabus for each section are as follows:

Section	Topics/Subjects	Broad syllabus
1	General knowledge	Everyday applications of science, international organizations, geography, history (both Indian and foreign), economics, current affairs and sports.
2	English language and aptitude	Synonyms, grammar, sentence correction/completion, vocabulary, and general aptitude questions.
3	Computer Skills	Basic tools such as Microsoft Word, Excel, Autocad etc., general computer terminology, basic software and hardware questions, basics of networking and internet.
4	Basic Civil Engineering	Engineering Mechanics; Building Construction- Building components (substructure, superstructure); Building materials; Construction of substructure; Construction of superstructure; Building finishes; Building maintenance; Building drawing; Concrete Technology; Surveying/Geomatics/Remote Sensing; Traffic & Transportation Engineering & Systems; Computer Aided Design; Geo Technical Engineering; Hydraulics; Water Resources & Management; Irrigation Engineering & Hydrology Mechanics of Structures; Theory of structures; Design of Concrete Structures; Design of Steel Structures; Highway Engineering; Environmental Engineering; Advanced Construction Techniques and Equipment; Estimating and Costing; Contracts and Accounts, Strength of Materials.

STAGE - II

Trade Test:

The final selection of the candidates will be purely based on their performance in the Trade Test. A candidate is required to obtain minimum 45% & more marks in the Trade Test to be eligible for final selection.

Syllabus for the Trade Test: (Trade Test will include questions based on a field study).

1. Tests of Building Materials.
2. Quality Audit of RCC Structures, finishes etc.
3. Visit/Inspection based observation of construction practices.

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Registrar