



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
प्रयागराज-211004 (भारत)  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj - 211 004 (India)

**Recruitment for Non-Teaching Positions in Staff Cadre**

[Advertisement No. 05 / 2019, dated August 23, 2019]

**Selection Process for Recruitment of Junior Engineer**

Selection Process for the post of **Junior Engineer** will consist of three stages as detailed below:

- (a) **Stage-I** : Multiple Choice Based Screening Test [For screening of candidates for Stage-II (Skill Test)]  
(b) **Stage-II** : Skill Test [Qualifying in nature. Only for those who are successful after the Stage-I (Screening Test)].  
(c) **Stage-III** : Multiple Choice Based Main Test [Only for those who qualify the Stage-II (Skill Test)].

**Syllabus and Scheme of Examination**

(a) **Stage-I [Multiple Choice Based Screening Test]**

- Screening Test will be of 90 Minutes duration comprising of 75 Questions [Consisting of three sections as Section A: 25 Questions; Section B: 25 Questions and Section C: 25 Questions].
- Each correct answer will be awarded One [1] marks and for each wrong answer One-fourth [1/4] marks will be deducted.
- Syllabus:

**Section A [25 Questions]**

- General English and General Hindi
- Quantitative Aptitude
- Verbal and Non Verbal Reasoning
- General Studies & Current Affairs

**Section B [25 Questions (General)]**

- General Science (such as Physics, Chemistry, Biology, Mathematics and Environment) & Basic Questions on different trades of Engineering & Technology.
- Application of Computer Software like MS-Word, Excel, Power Point, Tally etc. used in day-to-day office work.
- Internet, e-mail and various online tools used in day-to-day office work.
- CPWD Work Manuals
- Preparation of Estimates for works and Project Report for Civil and Electrical Works, Project Management etc.

**Section C [25 Questions]**

**For Junior Engineering (Civil)**

- Building Materials, Surveying, Soil Mechanics, Soil, Hydraulics, Environmental Engineering.

**For Junior Engineering (Electrical)**

- Basic Electrical Engineering and Electrical Measurements, Circuit Law, Electrical Machines, Single Phase and Three Phase Transformers, Generation Transmission and Distribution of Electricity, Utilization of Electrical Energy.

- Qualifying Marks and Maximum number of candidates for next Stage:
  - Minimum Qualifying Marks: [UR:30%; EWS:27%; OBC:27%; SC:20%; ST:20%; PwD:15%].
  - Further, number of candidates for subsequent stages of selection process will be restricted to Fifteen [15] times the number of posts in each category.



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(b) **Stage-II [Skill Test]**

- Skill Test will be of 01 Hrs duration.
- Only those who are screened in after the Screening Test [Stage-I], will be allowed to appear in the Skill Test.
- Skill Test will be for specific section for which the applicant has applied.
- Minimum Qualifying Marks: [UR:40%; EWS:36%; OBC:36%; SC:30%; ST:30%; PwD:20%].
- Syllabus:
  - Preparation of estimates, taking measurement, preparation of M.B., supervision of works and any other relevant area.

(c) **Stage-III [Multiple Choice Based Main Test]**

- Main Test will be of 2 Hrs duration comprising of 100 Questions.
- Only those who are screened in after the Screening Test [Stage-I] and qualify the Skill Test [Stage-II], will be allowed to appear in the Multiple Choice Based Main Test [Stage-III].
- Each correct answer will be awarded One [1] marks and for each wrong answer One-fourth [1/4] marks will be deducted.
- Syllabus:
  - General Science (such as Physics, Chemistry, Biology, Mathematics and Environment) & Basic Questions on different trades of Engineering & Technology.
  - Application of Computer Software like MS-Word, Excel, Power Point, Tally etc. used in day-to-day office work.
  - Internet, e-mail and various online tools used in day-to-day office work.
  - CPWD Work Manuals
  - Preparation of Estimates for works and Project Report for Civil and Electrical Works, Project Management etc.

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## Final Selection

Final Merit shall be prepared as follows:

**Final Merit = Stage-I [30% weightage] + Stage-III [70% weightage].**

**Note:** Any guidelines/instructions received from Ministry of HRD till the date of completion of Selection Process may be made applicable.