

**Indicative Syllabus for written test and selection criteria for recruitment to the post of **Technician**, Pay level 3  
(Advt. No NITM.1/(2C-Estt)/MP/R-N/2022/R-903, dated 11<sup>th</sup> March 2025)**

**ELECTRICAL ENGINEERING**

<b>Paper I:</b> Units and Measurement, Mass, Weight and Density, Work Power and Energy, Speed and Velocity, Heat and Temperature, Basic Electricity, Occupational safety, health.	Paper II is skill test based on Paper I Syllabus and is of qualifying nature.
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**ELECTRONICS AND COMMUNICATION ENGINEERING**

<b>Paper I:</b> Network Theory, Control Systems, Electromagnetic Fields Theory, Electronic Devices, Signals & Systems, Digital Electronics, Analog Circuits, Communication Systems, Audio Video Systems.	Paper II is skill test based on Paper I Syllabus and is of qualifying nature.
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**MECHANICAL ENGINEERING**

<b>Paper I:</b> Foundry Shop, Welding Shop, Machining, Sheet Metal Work, Carpentry.	Paper II is skill test based on Paper I Syllabus and is of qualifying nature.
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**PHYSICS**

<b>Paper I:</b> Mathematical Methods, Mechanics and General Properties of Matter, Oscillations, Waves and Optics, Electricity and Magnetism, Kinetic Theory, Thermodynamics, Modern Physics, Solid State Physics, Devices and Electronics.	Paper II is skill test based on Paper I Syllabus and is of qualifying nature.
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Post Name: <b>Technician</b> – Scheme of Examination, Selection criteria and Instructions		
Scheme of Examination	Selection Criteria	Instructions
<p>Paper –I Marks: 100 Duration: 2 hours</p> <p>Paper II : Skill Test Marks: 50 Duration: 01 hour</p>	<p>a) Candidates fulfilling the minimum eligibility criteria will be considered provisionally eligible to appear for the Paper I.</p> <p>b) Minimum qualifying mark for paper-I is 50 marks</p> <p>c) Candidates, who qualify in Paper-I will be called to appear for Paper II, which of qualifying in nature.</p> <p>d) Candidates, who qualify in Paper II, will be recommended for appointment, in order of their merit, only on the basis of the marks obtained in Paper I.</p> <p>e) Success in the examination confers no right of appointment unless the Institute is satisfied after conducting enquiry that the candidate is suitable in all respects of appointment to the service/post</p>	<ul style="list-style-type: none"> <li>• Paper I consists of two parts, Part-A and Part-B. 30 multiple choice questions in part-A and 70 multiple choice questions in part-B. One (1) mark will be awarded for each correct answer and minus one fourth (-1/4) mark awarded for the each incorrect answer. The unanswered questions will not attract negative marks.</li> <li>• Paper II is of qualifying in nature and is based on Paper I syllabus only.</li> <li>• Compensatory time for persons with Benchmark Disabilities (Divyangjan) will be provided as per the extant orders of Government of India.</li> </ul>