

NPCIL Kakrapar Recruitment 2025

Exam Pattern & Syllabus

1. Technician (Category II) - Exam Pattern

- Stage 1: Preliminary Test - Mathematics, Science, General Awareness - 50 MCQs - 1 Hour - 1/3 Negative Marking
- Stage 2: Advanced Test - Trade-specific Technical - 50 MCQs - 2 Hours - 1/3 Negative Marking
- Stage 3: Skill Test - Practical Hands-on - Qualifying

2. Scientific Assistant (Category I) - Exam Pattern

- Mode: CBT - Technical + General Awareness + English
- Total: 100 MCQs - 300 Marks - 2 Hours - 1 Mark Negative

3. Assistant Grade-1 (HR/F&A/C&MM) - Exam Pattern

- Stage 1: Preliminary - English, GK, Quant - 50 Qs
- Stage 2: Advanced - Computer & Comprehension - 50 Qs
- Stage 3: Skill Test - Typing Test (English 30 WPM, Hindi 25 WPM)

Assistant Grade-1 - Syllabus

- Quantitative Aptitude: Number System, Percentages, Ratio, Profit & Loss, Time & Work, Speed & Distance, Interest, Data Interpretation, Algebra, Geometry
- English: Reading Comprehension, Cloze Test, Error Spotting, Sentence Improvement, Rearrangement, Synonyms, Antonyms, Voice & Speech
- Computer: MS Office, Basics, Internet, OS, Hardware, Networking, Cybersecurity
- General Knowledge: History, Polity, Economy, Science & Technology, Awards, Sports, Government Schemes

Stipendiary Trainee (ST/SA & ST/TM) - Technical Syllabus

- Mechanical: Thermodynamics, Strength of Materials, Theory of Machines, Fluid Mechanics, RAC, Machine Design
- Electrical: Circuit Theory, Machines, Power Systems, Control Systems, Power Electronics, Switchgear
- Electronics: Analog/Digital, Microprocessors, Instrumentation, Communications
- Physics: Mechanics, Heat, Optics, Electromagnetism, Nuclear Physics
- Chemistry: Organic, Inorganic, Physical, Thermodynamics, Electrochemistry
- Mathematics: Algebra, Trigonometry, Geometry, Statistics

Stipendiary Trainee - Non-Technical Syllabus

- Science: 10+2 Level Physics & Chemistry Basics
- English: Grammar, Comprehension, Synonyms, Antonyms
- General Awareness: Current Affairs, Indian History, Constitution, DRDO/ISRO Updates