



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान कोलकाता  
औषधीय विभाग, रसायन एवं उर्वरक मंत्रालय, भारत सरकार

**National Institute of Pharmaceutical Education and Research Kolkata**

Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt. of India

Chunilal Bhawan, 168, Maniktala Main Road, Kolkata – 700 054, West Bengal.

Website: [www.niperkolkata.edu.in](http://www.niperkolkata.edu.in); Email: [niperkrecruitment2020@gmail.com](mailto:niperkrecruitment2020@gmail.com); Tel: 033-23200086

Ref. No.: NIPER-K/DS/2025/156

Date: 01.08.2025

The information related to the selection of various non-teaching posts vide advertisement no. NIPER-K/P-VI/2025 Dated 15.02.2025, such as schedule of exam/interview, Pattern of Written Examination, Syllabus, Total Marks, etc., are given below for all concerned.

**SCHEDULE OF EXAM/INTERVIEW OF VARIOUS NON-TEACHING POSTS**

Sl. No.	Name of the Post	Stage/Type of Examination	Date & Time
01	Medical Officer	Personal Interview	29.08.2025 (From 11:00 AM)
02	Scientist/Technical Supervisor Grade I	Stage I Written Test	30.08.2025 (09:30 AM – 11:30 PM)
		Stage II Interview	30.08.2025 (From 2:00 PM)
03	Assistant Grade II	Written Test	31.08.2025 (10:00 AM – 12:00 PM)

**SYLLABUS FOR SELECTION OF NON-TEACHING POSTS**

**Post Code: NT-02, Scientist/Technical Supervisor Grade I**

The candidate has to attend a written test and an Interview. The syllabus and examination pattern are given below.

**EXAMINATION PATTERN**

**Written Test – Duration: 2 hrs.**

Parts of Paper	Mode of Exam	Type of Exam	Number of Questions	Total Marks
<b>Section-I</b>				
General English, General Knowledge & Computer Literacy, Aptitude & Reasoning	Pen and Paper Mode	Multiple Choice Questions	25	25
<b>Section – II</b>				
Work-related knowledge	Pen and Paper Mode	Multiple Choice Questions	50	50
<b>Total marks</b>				<b>75</b>

## Interview

Test	Duration	Total Marks
Interview	-	25
<b>Total</b>		<b>25</b>

### Notes:

- There will be a negative marking of 0.25 marks for each wrong answer for the Multiple-choice questions.
- The candidates who attain the minimum qualifying standard in the written test will be called Interview.
- The Institute may, at its discretion, fix qualifying marks in the written test.
- Top 12 candidates will be called for the Interview

## SELECTION CRITERIA

- The total marks obtained by the candidate out of 100 marks (written test – 75; Interview - 25) will be considered for the selection.

## Syllabus for Section- I

General English	Numerical Aptitude	Reasoning	General Knowledge & Computer Literacy
<ul style="list-style-type: none"> <li>▪ Fill in the Blanks (using verbs, prepositions &amp; articles etc.)</li> <li>▪ Error Recognition</li> <li>▪ Articles</li> <li>▪ Verbs</li> <li>▪ Preposition</li> <li>▪ Spelling Test</li> <li>▪ Vocabulary</li> <li>▪ Grammar</li> <li>▪ Synonyms</li> <li>▪ Sentence Structure</li> <li>▪ Antonyms</li> <li>▪ Sentence Completion</li> <li>▪ Correct use of words</li> <li>▪ Phrases and Idioms</li> <li>▪ One word substitution</li> </ul>	<ul style="list-style-type: none"> <li>▪ Computation of whole numbers</li> <li>▪ Decimals</li> <li>▪ Fractions and relationships between numbers</li> <li>▪ Percentage</li> <li>▪ Ratio and proportion</li> <li>▪ Square roots</li> <li>▪ Averages</li> <li>▪ Interest</li> <li>▪ Profit and loss</li> <li>▪ Discount</li> <li>▪ Time and distance</li> <li>▪ Time and work</li> <li>▪ Heights and distances</li> <li>▪ Shapes (sphere, Hemispheres, Triangle, Quadrilaterals, Polygons, Circle, Cone, Cylinder)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Problem Solving</li> <li>▪ Analysis</li> <li>▪ Decision Making</li> <li>▪ Discrimination</li> <li>▪ Observation</li> <li>▪ Relationship concepts</li> <li>▪ Visual memory</li> <li>▪ Coding and decoding</li> <li>▪ Symbolic/number classification</li> <li>▪ Indexing</li> <li>▪ Critical thinking</li> <li>▪ Logical Reasoning</li> <li>▪ Order and Ranking</li> <li>▪ Conclusion and decision making,</li> <li>▪ Statement-Arguments and Assumptions</li> </ul>	<ul style="list-style-type: none"> <li>▪ General Science</li> <li>▪ Current events of national and international importance</li> <li>▪ History of India and Indian National Movement</li> <li>▪ India and World Geography</li> <li>▪ Indian Polity &amp; Economy</li> <li>▪ General Mental Ability</li> <li>▪ NIPER Act &amp; Statutes</li> <li>▪ Indian States</li> <li>▪ India and other countries</li> <li>▪ Government Schemes and Policies</li> <li>▪ Usage of Email and Internet</li> <li>▪ Basic tools like MS Word, Excel, PowerPoint, etc</li> <li>▪ Basic networking</li> <li>▪ Basic Computer Software and its hardware</li> <li>▪ General Computer Terminology</li> </ul>

## Syllabus for Section-II

- **Physical Chemistry:** Chemical kinetics; approximation methods; angular momentum; phase diagrams & relative stability of solids, liquids & gases; entropy and 2<sup>nd</sup> and 3<sup>rd</sup> laws of thermodynamics; electrolyte solutions; ideal and real solutions; physical properties of liquids.
- **Inorganic Chemistry:** Coordination chemistry; reactions of complexes; d-metal complexes: electronic structure and properties; group-18 elements; structures of simple solids; binding & activation by redox mechanisms; f-block elements; Bragg's Law of diffraction.
- **Organic Chemistry:** Reagents, named reactions, rearrangements, catalysis, optical rotation, oxidation and reduction.
- **Spectroscopy:** IR; Raman; NMR; Microwave, LCMS, HPLC/UPLC

\*\*\*\*\*

## Post Code: NT-04, Assistant Gr-II

The candidate has to attend a written test. The syllabus and examination pattern are given below.

### Written Test - Duration – 2 hrs.

Parts of Paper	Mode of Exam	Type of Exam	Number of Questions	Total Marks
<b>Section-I</b>				
General English, General Knowledge, Basic Computer Knowledge, Aptitude & Reasoning	Pen and Paper Mode	Multiple Choice Questions	50	50
<b>Section - II</b>				
Work-related knowledge	Pen and Paper Mode	Multiple Choice Questions	50	50
<b>Total marks</b>				<b>100</b>

### Notes:

- There will be a negative marking of 0.25 marks for each wrong answer for the Multiple-choice questions.

## SELECTION CRITERIA

The Candidate will be considered for selection who scored the highest marks in the written test

### Syllabus for Section-I

General English	Numerical Aptitude	Reasoning	General Knowledge	Basic Computer Knowledge
<ul style="list-style-type: none"> <li>▪ Fill in the Blanks (using verbs, prepositions &amp; articles etc.)</li> <li>▪ Error Recognition</li> <li>▪ Articles</li> <li>▪ Verbs</li> <li>▪ Preposition</li> <li>▪ Spelling Test</li> <li>▪ Vocabulary</li> <li>▪ Grammar</li> <li>▪ Synonyms</li> <li>▪ Sentence Structure</li> <li>▪ Antonyms</li> <li>▪ Sentence Completion</li> <li>▪ Correct use of words</li> <li>▪ Phrases and Idioms</li> <li>▪ One word substitution</li> </ul>	<ul style="list-style-type: none"> <li>▪ Computation of whole numbers</li> <li>▪ Decimals</li> <li>▪ Fractions and relationships between numbers</li> <li>▪ Percentage</li> <li>▪ Ratio and proportion</li> <li>▪ Square roots</li> <li>▪ Averages</li> <li>▪ Interest</li> <li>▪ Profit and loss</li> <li>▪ Discount</li> <li>▪ Time and distance</li> <li>▪ Time and work</li> <li>▪ Heights and distances</li> <li>▪ Shapes (sphere, Hemispheres, Triangle, Quadrilaterals, Polygons, Circle, Cone, Cylinder)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Problem Solving</li> <li>▪ Analysis</li> <li>▪ Decision Making</li> <li>▪ Discrimination</li> <li>▪ Observation</li> <li>▪ Relationship concepts</li> <li>▪ Visual memory</li> <li>▪ Coding and decoding</li> <li>▪ Symbolic/number classification</li> <li>▪ Indexing</li> <li>▪ Critical thinking</li> </ul>	<ul style="list-style-type: none"> <li>▪ General Science</li> <li>▪ Current events of national and international importance</li> <li>▪ History of India and Indian National Movement</li> <li>▪ India and World Geography</li> <li>▪ Indian Polity &amp; Economy</li> <li>▪ General Mental Ability</li> <li>▪ NIPER Act &amp; Statutes</li> <li>▪ Indian States</li> <li>▪ India and other countries</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fundamentals of Computers</li> <li>▪ Operating Systems</li> <li>▪ MS Office Suite</li> <li>▪ Internet and Web Concepts</li> <li>▪ Computer Networks</li> <li>▪ Digital Communication and Collaboration Tools</li> <li>▪ IT and Cyber Ethics</li> <li>▪ Basic Troubleshooting</li> </ul>

### Syllabus for Section-II

Basic knowledge of:

- NIPER Act & Statutes
- Purchase: General Financial Rules & Purchase Procedure, GeM, Tendering Process.
- Academics & Examinations as per NIPER Ordinance.
- Finance & Accounts
- General Office Procedures & Protocols
- CCS Rules, CS (MA) Rules, LTC, TA, CCS Pension Rules
- RTI Act 2005
- NEP-2020

\*\*\*\*\*

Sd/-  
Registrar (I/c)