

NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH, RAEBARELI

(An Autonomous Institute under Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India)

Transit Campus of NIPER Raebareli, Bijnor - Sisendi Road, PO- Mati, Sarojini Nagar, Lucknow (UP) - 226002

Phone: 0522-2497903 Web: www.niperraebareli.edu.in

Syllabus For Non Teaching Post

The Institute vide its Advertisement No. NIPER-R/Recruit/01/2019-20 dated 17th August, 2020 advertised various Non-Teaching Positions to be filled on direct recruitment basis.

With reference to above, the information related to Pattern of Written Examination, Syllabus, Total Marks, etc. for various Non-Teaching Positions is given below for information of all concerned.

NAME OF THE POST: Junior Technical Assistant

Written Examination shall consist Two Objective Type Papers each comprising 100 Multiple Choice Questions (MCQs) as detailed below:

Paper	Subject	Number of Questions	Maximum Marks	Duration
Paper I	General English, Numerical Aptitude, Reasoning and General Knowledge	30	30	2 hrs
Paper II	Domain Knowledge As per Syllabus	70	70	

In addition to the above written test, the candidates for the post of Junior Technical Assistant shall have to appear in the Skill as detailed below:

Name of the Skill Test	Duration	Maximum Marks
Skill Test	60 Minutes	25

Syllabus for the post of Junior Technical Assistant:

Paper-I

General Awareness

- Indian Constitution, Indian Economy, Culture, Indian Polity, Abbreviations, Personalities in News, Science & Technology, India Geography, History, Awards & Honors, Important Financial & Economic News, General Politics, Books & Authors, Inventions & Discoveries Science, Important Days, Sports & Games, Current Events

General English

- Grammar, Articles, Fill in the Blanks, Error Correction, Comprehension, Sentence Rearrangement, Synonyms, Vocabulary, Antonyms, Verbs, Tenses, Adverbs, Unseen Passages, Idioms & Phrases, Subject-Verb Agreement

Numerical Ability

- Ages Problems, Number Systems, Time & Distance, Percentages, Pipes & Cisterns, Averages, Data Interpretation, Boats & Streams, Time & Work, Discounts, Mixture and Allegation, Ratio & Proportion, Profit & Loss, H.C.F. & L.C.M, Simple & Compound Interest

Reasoning

- Arithmetical Reasoning, Embedded Figures, Cubes & Dice, Coding-Decoding, Alphabet Series, Number Series, Number Ranking, Mirror Images, Non-Verbal Series, Clocks & Calendars, Decision Making, Blood Relations, Directions, Analogy

General English: Questions in this component will be designed to test the Candidate's understanding and knowledge of English Language like Error recognition, Fill in the blanks (using verbs, preposition, articles etc.), One word substitution, Improvement of Sentences, Vocabulary, Spellings, Grammar, Sentence Structure, Synonyms, Antonyms, Sentence Completion, Phrases and Idiomatic use of words, Comprehension of Passages, as may be expected of a well-educated person who has not made a special study of the subject.

Numerical Aptitude & Reasoning: The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be the computation of whole numbers, decimals and fractions and relationships between numbers. It will test sense of order among numbers, ability to translate form one name to another, sense or order of magnitude, estimation or prediction of the outcome of computation, selection of an appropriate operation for the solution of real life problems and knowledge of alternative computation procedures to find answers. The questions would also be based on arithmetical concepts and relationship between numbers and not on complicated arithmetical computation. On general reasoning, the candidates will be tested on reasoning and analytical abilities.

NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH, RAEBARELI

(An Autonomous Institute under Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India)

Transit Campus of NIPER Raebareli, Bijnor - Sisendi Road, PO- Mati, Sarojini Nagar, Lucknow (UP) - 226002

Phone: 0522-2497903 Web: www.niperraebareli.edu.in

General Knowledge: Questions will be designed to General Knowledge viz., General Science, current events of national and international importance, History of India and Indian National Movement, India and World Geography, Indian Polity & Economy, General Mental Ability, NIPER Act & Statutes, Indian States, India and other countries.

Paper-II

Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Human Reproduction, Reproductive Health, Principles of Inheritance and Variation, Heredity and variation, Molecular Basis of Inheritance, Evolution, Human Health and Diseases, Strategies for Enhancement in Food Production, Microbes in Human Welfare, Genetic Engineering (Recombinant DNA Technology), Application of biotechnology in health and agriculture, Organisms and Populations, Ecosystem, Biodiversity and its Conservation, Environmental Issues
Solutions, Electrochemistry, Chemical Kinetics, Surface Chemistry, General Principles and Processes of Isolation of Elements, s, p 'd' and 'f' Block Elements, Coordination Compounds. Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids, Organic compounds containing Nitrogen, Biomolecules, Polymers, Chemistry in everyday life.
