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NTPC ACT 2026

SYLLABUS AND PAPER PATTERN

NTPC ACT 2026

SYLLABUS

PAPER PATTERN

COMPLETE SYLLABUS | DETAILED PAPER PATTERN | PREPARE SMARTER | GOVT. PSU OPPORTUNITY

Chiral Academy

एनटीपीसी NTPC
A Maharatna Company

NTPC ASSISTANT CHEMIST TRAINEE EXAM PATTERN 2026

LATEST EXAM PATTERN

EXAM HIGHLIGHTS

- Total Questions: 120
- Total Marks: 120
- Duration: 2 Hours
- Computer-Based Test
- Objective Type Questions
- Negative Marking Applicable

COMPLETE COURSE

₹3500 ONLY

- Complete Syllabus Coverage
- Live + Recorded Classes
- PDF Notes Included
- Doubt Support
- Mock Tests Included

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NTPC ACT 2026 EXAM STRUCTURE

Part	Subject	Questions
Part A	Aptitude	50
Part B	Technical (Chemistry)	70
Total		120

CALL / WHATSAPP: **9354609677**

INDICATIVE SYLLABUS: Asst. Chemist Trainee (ACT)

PART A (APTITUDE) (50 Questions)

This part will consist of 50 objective type questions on:

1. Verbal Ability/General English
2. Quantitative Aptitude
3. Reasoning Ability

PART B (TECHNICAL) (70 Questions)

A. Physical Chemistry (25)

Atomic Structure, States of Matter, Chemical Thermodynamics
Chemical and Ionic Equilibrium, Redox Reactions
Phase Equilibria & Solutions, Electrochemistry
Chemical Kinetics, Surface Chemistry, Nuclear Chemistry

Quantum Chemistry

B. Organic Chemistry (20)

Basic Concepts in Organic Chemistry and Stereochemistry
Qualitative and Quantitative Analysis and Purification of Organic Compounds
Preparation, Properties and Reactions of Alkanes, Alkenes, Alkynes
Organic Compounds with Functional Group Containing Halogens
Organic Compounds with Functional Group Containing Oxygen
Organic Compounds with Functional Group Containing Nitrogen
Reactions of α , β Unsaturated Carbonyl and Acids
Polymers
Reactions of Benzene and Heterocyclic Compounds
Urea and Malonic Ester
Spectroscopy Measurements Including IR, UV, NMR (Proton and Carbon 13)
Biomolecules – Carbohydrates, Protein, Vitamins, Nucleic Acid, Lipids, Hormones
Environmental Chemistry
Chemistry in Everyday Life

Mass Spectroscopy, Synthesis of Organic Compounds

C. Inorganic Chemistry (25)

Mole Concept and Stoichiometry
Periodic Table
Chemical Bonding
Main Group Elements (S & P)
Transition Elements and Lanthanides
Coordination Compound
Metallurgy Including Ellingham Diagram (Basic)
Analytical Chemistry
B-Inorganic Chemistry

Crystal Field Theory, Isomerism