



**CHEM
ACADEMY**

ALL INDIA TEST SERIES SYLLABUS 2018-19

MINOR TEST

Batch	Topic	Test Date (online)
Distance Learning Program + Test Series Program	Electrochemistry, Phase Equilibrium, Adsorption	23 rd August (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Metallurgy, Periodic Properties and Organometallics	29 th August (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	General Organic Chemistry, Carbocation and Free radical	05 th September (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Solid State, Chemical Equilibrium and Ionic Equilibrium	12 th September (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	d-Block, Coordination Chemistry, Chemical Bonding	19 th September (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Stereochemistry and Reaction Mechanism	26 th September (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Main Group Elements, s-Block, Dipole Moment, Weak Forces and Titration, Conductance	03 rd October (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Chemical Kinetics, Photochemistry and Nuclear Chemistry	10 th October (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Solutions, Gaseous State, Atomic Structure and Quantum Chemistry	16 th October (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Enolate Chemistry, Name Reaction and Reagents	20 th October (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Redox Reaction, Thermochemistry, NMR spectroscopy, IR Spectroscopy, UV spectroscopy	25 th October (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Bioinorganic, Physical Spectra and Thermodynamics	30 th October (5:00 PM – 8:00 PM)
Distance Learning Program + Test Series Program	Carbene, Nitrene, Benzyne, Biomolecules and Heterocyclic Compound	05 th November (5:00 PM – 8:00 PM)

MAJOR TESTS

Major Test 1

Time: 2:00 PM to 5:00 PM

Date: 19 Dec. 2018

Physical Chemistry	Atomic Structure, Quantum Chemistry, Physical Spectroscopy, Basic Mathematical concept
Inorganic Chemistry	Main Group Elements
Organic Chemistry	GOC – Electronic Effect + Aromaticity + Steric Effects (SIR/SIP/NBEPR) Reaction Intermediates (Carbocation and Free Radical)

Major Test 2

Time: 2:00 PM to 5:00 PM

Date: 23 Dec. 2018

Physical Chemistry	Theory of gases, Thermodynamics, Thermochemistry
Inorganic Chemistry	d-Block, Coordination Chemistry, Organometallics
Organic Chemistry	Stereochemistry, Reaction Mechanism (SN/E)

Major Test 3

Time: 2:00 PM to 5:00 PM

Date: 27 Dec. 2018

Physical Chemistry	Chemical Equilibria, Ionic Equilibria, Phase Equilibria, Colligative Properties
Inorganic Chemistry	Periodic Properties, Chemical Bonding
Organic Chemistry	Intermediates (Carbene + Nitrene + Benzyne + Carbanion) Reagents, Name Reaction

Major Test 4

Time: 2:00 PM to 5:00 PM

Date: 31 Dec. 2018

Physical Chemistry	Electrochemistry, Conductance, Solid State, Redox Reaction
Inorganic Chemistry	Bioinorganic chemistry, Instrumental Method of analysis, Titrations
Organic Chemistry	Pericyclic Reactions, Structural Problems using Chemical Reactions, Organic Spectroscopy

Major Test 5

Time: 2:00 PM to 5:00 PM

Date: 06 Jan. 2019

Physical Chemistry	Chemical Kinetics, Adsorption, Photochemistry, Radioactivity
Inorganic Chemistry	Analytical Chemistry, Qualitative Analysis
Organic Chemistry	Natural Product Chemistry, Heterocyclic Chemistry

PART TESTS

Part Test 1

Time: 2:00 PM to 5:00 PM

Date: 11 Jan 2019

Physical Chemistry	Basic Mathematical Concepts, Atomic Structure, Quantum Chemistry, Theory of gases, Solid State, Colligative Properties
Inorganic Chemistry	Periodic Properties, Chemical Bonding, Main Group Elements
Organic Chemistry	GOC, Stereochemistry, Reaction Intermediates (Carbocation & Free Radicals), Reaction Mechanism

Part Test 2

Time: 2:00 PM to 5:00 PM

Date: 16 Jan. 2019

Physical Chemistry	Thermodynamics, Thermochemistry, Equilibrium, Chemical Equilibrium, Ionic Equilibrium, Phase Equilibrium
Inorganic Chemistry	d-Block, Coordination Chemistry, Organometallics, Bioinorganic
Organic Chemistry	Intermediates (Carbanion + Carbene + Nitrene + Benzyne) Reagents, Name Reaction

Part Test 3

Time: 2:00 PM to 5:00 PM

Date: 21 Jan 2019

Physical Chemistry	Electrochemistry, Chemical Kinetics, Adsorption, Physical Spectra, Redox Reaction
Inorganic Chemistry	Instrumental Method of Analysis, Analytical Chemistry, Titration, Radioactivity
Organic Chemistry	Organic Spectroscopy, Natural Products Chemistry, Heterocyclic Compounds, Pericyclic Reactions

FULL TESTS

Full Test 1

Time: 2:00 PM to 5:00 PM

Date: 25 Jan. 2019

Physical Chemistry	Complete Syllabus for JAM
Inorganic Chemistry	Complete Syllabus for JAM
Organic Chemistry	Complete Syllabus for JAM

Full Test 2

Time: 2:00 PM to 5:00 PM

Date: 30 Jan. 2019

Physical Chemistry	Complete Syllabus for JAM
Inorganic Chemistry	Complete Syllabus for JAM
Organic Chemistry	Complete Syllabus for JAM

Full Test 3

Time: 2:00 PM to 5:00 PM

Date: 05 Feb. 2019

Physical Chemistry	Complete Syllabus for JAM
Inorganic Chemistry	Complete Syllabus for JAM
Organic Chemistry	Complete Syllabus for JAM