

# FIITJEE Computer Based All India Test Series for JEE Advanced 2023

**(from Full Test-VIII Advanced)**

**with Live Online Concept Strengthening Classroom Program (CSCP)**

## Schedule

S.No.	TEST / Live Online CSCP	Test Dates & Timings
1	<b>FULL TEST - VIII (Advanced)</b>	May 7, 2023 (Paper 1-9:00 AM to 12:00 PM Paper 2-2:30 PM to 5:30 PM)
	Live Online CSCP by FIITJEE Delhi	May 9, 2023 (10:30 AM to 5:30 PM)
2	<b>FULL TEST - IX (Advanced)</b>	May 14, 2023 (Paper 1-9:00 AM to 12:00 PM Paper 2-2:30 PM to 5:30 PM)
	Live Online CSCP by FIITJEE Delhi	May 16, 2023 (10:30 AM to 5:30 PM)
4	<b>FULL TEST - X (Advanced)</b>	May 21, 2023 (Paper 1-9:00 AM to 12:00 PM Paper 2-2:30 PM to 5:30 PM)
	Live Online CSCP by FIITJEE Delhi	May 23, 2023 (10:30 AM to 5:30 PM)
4	<b>FULL TEST - XI (Advanced)</b>	May 28, 2023 (Paper 1-9:00 AM to 12:00 PM Paper 2-2:30 PM to 5:30 PM)
	Live Online CSCP by FIITJEE Delhi	May 30, 2023 (10:30 AM to 5:30 PM)

### Note:

1. Tests can be taken from CBT Centers located at cities namely Ahmedabad, Allahabad, Amritsar, Bangalore, Bhilai, Bhopal, Bhubaneswar, Bokaro, Chandigarh, Chennai, Cuttack, Delhi (Dwarka), Delhi (East), Delhi (North-West), Delhi (South), Delhi NCR (Faridabad), Delhi NCR (Ghaziabad), Delhi NCR (Gurugram), Delhi NCR (Noida), Dhanbad, Durgapur, Gorakhpur, Gwalior, Hyderabad, Indore, Jaipur, Jamshedpur, Jodhpur, Kanpur, Kharagpur, Kolkata, Kota, Lucknow, Meerut, Mumbai, Nagpur, Patna, Pune, Raipur, Ranchi, Vadodara, Varanasi, Vijayawada, Visakhapatnam.
2. Tests can also be taken from home on one's own computer.
3. Link for Live Online CSCP will be sent by WhatsApp to your registered mobile number one/ two days before the session.

## FIITJEE Computer Based All India Test Series for JEE Main, 2023

### Syllabus

#### Part Test - I

<b>CHEMISTRY</b>	Atomic Structure, Chemical Kinetics, Chemical Equilibrium, Balancing of Redox Reaction, Ionic Equilibrium, Chemical Bonding, s-Block and Hydrogen, Boron and Carbon Family, Periodic Properties
<b>MATHEMATICS</b>	Sets, Relations and Functions, Limits, Continuity and Differentiability, Application of Derivatives, Indefinite Integration, Definite Integrals and their Properties, Area, Differential Equations, Volume & Surface
<b>PHYSICS</b>	Units and Measurement, Kinematics (Motion in One Dimension), Vectors, Kinematics (Motion in Two and Three Dimensions), Relative motion, Laws of Motion, Work, Energy and Power, Center of mass, Conservation of momentum Collisions, Circular motion, Rotational Motion

#### Part Test -II

<b>CHEMISTRY</b>	Organic Chemistry (Including GOC), Practical Organic Chemistry, Biomolecules, Polymers
<b>MATHEMATICS</b>	Trigonometric Ratios and Identities, Trigonometric Equations, Heights and distance, Solution of triangle, Straight Lines, Circles, Parabola, Ellipse, Hyperbola
<b>PHYSICS</b>	Kinetic theory of gases, Heat and Thermodynamics (second law+reversible and irreversible process, carnot engine+thermal expansion + calorimetry), Transfer of Heat + convection, Electrostatics, Current Electricity (color code of resistors), Thermal Effects of Current, Magnetic Effects of Current, Pure magnetism (current loop as magnetic dipole and its moment), bar magnet, magnetic field lines, earth magnetism, para-dia-ferro), Magnets, susceptibility and permeability, hysteresis, electromagnets and permanent magnets, Magnetostatics, Electromagnetics Induction and Alternating Currents (ac generator and transformer, wattless current, quality factor)

#### Part Test - III

<b>CHEMISTRY</b>	Group V to VIII, Transition Elements & Coordination Compounds, f-Block elements, Ores and Metallurgy, Liquid Solution, Surface Chemistry, Electrochemistry, Thermodynamics & Thermochemistry, Stoichiometry, Gaseous State, Qualitative Analysis, Solid State, Environmental Chemistry, Chemistry in Everyday Life
<b>MATHEMATICS</b>	Progression and Series, Quadratic Equations and Expressions, Complex Numbers, Binomial Theorem, Matrices, Determinants, Permutation and Combination, Statistics (Measures of Dispersion) and Probability, Probability Distribution, Binomial Distribution, Vector, Three Dimensional Geometry
<b>PHYSICS</b>	Oscillations (forced and damped oscillations), Wave & Sound, Ray Optics (microscope and astronomical telescope), Wave Optics (diffraction (single slit), resolving power of microscope and astronomical telescope, polarisation, brewsters law, uses of polaroids and polarised light), Electromagnetic Waves, Dual Nature of Matter & Radiation, Atoms, Molecules and Nuclei, Electronic Devices & Communication Systems, Experimental Skills in Physics, Gravitation, Properties of Solids and Fluids + streamline flow, turbulent flow, reynolds number, Geometrical Optics, Semi Conductor Devices

**Note :** Full Tests syllabi will be same as that of Part Test - I, II & III combined.

## FIITJEE Computer Based All India Test Series for JEE Advanced, 2023

### Syllabus

#### Part Test - I

<b>CHEMISTRY</b>	Atomic Structure, Chemical Kinetics, Chemical Equilibrium, Balancing of Redox Reaction, Ionic Equilibrium, Chemical Bonding, s-Block and Hydrogen, Boron and Carbon Family
<b>MATHEMATICS</b>	Functions, Limits, Continuity and Differentiability, Application of Derivatives, Indefinite Integration, Definite Integrals and their properties, Area, Differential Equations
<b>PHYSICS</b>	Kinematics, Laws of Motion, Work, Energy and Power, Conservation of Momentum, Rotation

#### Part Test - II

<b>CHEMISTRY</b>	Organic Chemistry (Including GOC), Practical Organic Chemistry, Biomolecules, Polymers
<b>MATHEMATICS</b>	Trigonometric ratios and Identities, Trigonometric equations, Solution of triangles, Straight Lines, Circles, Parabola, Ellipse, Hyperbola
<b>PHYSICS</b>	Heat and Thermodynamics, Electrostatics, Current Electricity, Magnetics, Electromagnetic Induction, A.C. Circuit

#### Part Test - III

<b>CHEMISTRY</b>	Group V to VIII, Transition Elements & Coordination Compounds, Ores and Metallurgy, Liquid Solution, Electrochemistry, Thermodynamics & Thermochemistry, Stoichiometry, Gaseous State, Qualitative Analysis, Solid State
<b>MATHEMATICS</b>	Progression and Series, Quadratic Equations and Expressions, Complex Numbers, Binomial Theorem, Matrices, Determinants, Permutation and Combination, Probability, Vector, Three Dimensional Geometry
<b>PHYSICS</b>	Gravitation, Fluids, Simple Harmonic Motion, Waves & Sound, Optics, Modern Physics, Error Analysis

**Note :** Full Tests syllabi will be same as that of Part Test - I, II & III combined.