

FIITJEE Computer Based All India Test Series for JEE Advanced 2021

Schedule of Online Tests at <https://fiitjee-aits.mypat.in>

S.NO.	AITTS TEST	TEST DATE	TEST TIMINGS
1	PART TEST - I (Main)	5th December 2020	3:00 pm to 6:00 pm
2	PART TEST - I (Advanced)	6th December 2020	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
3	PART TEST - II (Main)	12th December 2020	3:00 pm to 6:00 pm
4	PART TEST - II (Advanced)	13th December 2020	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
5	PART TEST - III (Main)	19th December 2020	3:00 pm to 6:00 pm
6	PART TEST - III (Advanced)	20th December 2020	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
7	FULL TEST - I & II (Main)	Test Papers to be downloaded on 23rd December 2020 for practicing at home	
8	FULL TEST - I & II (Advanced)		
9	FULL TEST - III (Main)	24th December 2020	9:30 am to 12:30 pm
10	FULL TEST - IV (Main)	27th December 2020	9:30 am to 12:30 pm
11	FULL TEST - V & VI (Main)	Test Papers to be downloaded on 29th December 2020 for practicing at home	
12	FULL TEST - III & IV (Advanced)	Test Papers to be downloaded on 3rd January 2021 for practicing at home	
13	Full TEST-V (Advanced)	24th January 2021	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
14	CONCEPT RECAPITULATION TEST # PAPERS - SET I, II, III & IV (Main)	Test Papers to be downloaded on 12th February 2021 for practicing at home	
15	FULL TEST - VII (Main)	28th March 2021	9:30 am to 12:30 pm
16	FULL TEST - VIII (Main)	31st March 2021	9:30 am to 12:30 pm
17	CONCEPT RECAPITULATION TEST # PAPERS - SET I, II, III & IV (Advanced)	Test Papers to be downloaded on 12th April 2021 for practicing at home	
18	OPEN TEST (Advanced)	18th April 2021	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
19	FULL TEST - VII & VIII (Advanced)	Test Papers to be downloaded on 22nd April 2021 for practicing at home	
20	FULL TEST - IX (Advanced)	25th April 2021	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
21	FULL TEST - X (Advanced)	2nd May 2021	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
22	FULL TEST - XI (Advanced)	9th May 2021	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:30 pm to 5:30 pm
Advanced (Paper 1 and Paper 2) will each have three separate sections on Physics, Chemistry & Mathematics. Both papers will be objective type.			

* It is suggested that you take all the tests at home during the JEE timings, thereby making sure your biological clocks are tuned for peak performance on the JEE day. If you get habituated to taking the test at night, your body and mind get tuned for the best performance at night but that may not be of much avail on the JEE day.

Note 2: Link to downloaded Test Papers - <https://aitspapers.fiitjee.com>

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Syllabi

PAPER	CHEMISTRY	MATHEMATICS	PHYSICS
Part Test – I			
MAIN	Atomic Structure, Solid State, Chemical Equilibrium, Balancing of Redox Reaction, Ionic Equilibrium, Chemical Bonding, s-Block and Hydrogen, Boron and Carbon Family, Periodic Properties	Sets, Relations and Functions, Limits, Continuity and Differentiability, Application of Derivatives, Indefinite Integration, Definite Integrals and their Properties, Area, Differential Equations, Mathematical Reasoning, Volume & Surface	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
ADVANCED	Atomic Structure, Solid State, Chemical Equilibrium, Balancing of Redox Reaction, Ionic Equilibrium, Chemical Bonding, s-Block and Hydrogen, Boron and Carbon Family	Functions, Limits, Continuity and Differentiability, Application of Derivatives, Indefinite Integration, Definite Integrals and their properties, Area, Differential Equations	Kinematics, Laws of Motion, Work, Energy and Power, Conservation of Momentum, Rotation
Part Test – II			
MAIN	Organic Chemistry (Including GOC), Practical Organic Chemistry, Biomolecules, Polymers	Trigonometric Ratios and Identities, Trigonometric Equations, Heights and distance, Solution of triangle, Straight Lines, Circles, Parabola, Ellipse, Hyperbola, Mathematical Induction	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)
ADVANCED	Organic Chemistry (including GOC), Practical Organic Chemistry, Biomolecules, Polymers	Trigonometric ratios and identities, Trigonometric equations, Solution of triangles, Straight Lines, Circles, Parabola, Ellipse, Hyperbola	Heat and Thermodynamics, Electrostatics, Current Electricity, Magnetics, Electromagnetic Induction, A.C. Circuit
Part Test – III			
MAIN	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, Chemical Kinetics, Environmental Chemistry, Chemistry in Everyday Life	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	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, Brewster's 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
ADVANCED	Group V to VIII, Transition Elements & Coordination Compounds, Ores and Metallurgy, Liquid Solution, Electrochemistry, Thermodynamics & Thermochemistry, Stoichiometry, Gaseous State, Qualitative Analysis, Chemical Kinetics	Progression and Series, Quadratic Equations and Expressions, Complex Numbers, Binomial Theorem, Matrices Determinants, Permutation and Combination, Probability, Vector, Three Dimensional Geometry	Gravitation, Fluids, Simple Harmonic Motion, Waves & Sound, Optics, Modern Physics, Error Analysis

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