

FIITJEE Computer Based One Year All India Test Series for JEE (Advanced), 2020

(with Concept Strengthening Classroom Program)

Schedule*

S.NO.	AITS TEST	TEST DATE	TEST TIMINGS
1	PART TEST - I (Main)	20th October 2019	9:30 am to 12:30 pm
2	PART TEST - I (Advanced)	3rd November 2019	Paper 1 - 9:30 am to 12:30 pm Paper 2 - 1:30 pm to 4:30 pm
3	Test Analysis & Concept Strengthening Classroom Sessions on 8th November 2019 at FIITJEE Study Centre		
4	PART TEST - II (Main)	10th November 2019	9:30 am to 12:30 pm
5	PART TEST - II (Advanced)	17th November 2019	Paper 1 - 9:30 am to 12:30 pm Paper 2 - 1:30 pm to 4:30 pm
6	Test Analysis & Concept Strengthening Classroom Sessions on 22nd November 2019 at FIITJEE Study Centre		
7	PART TEST - III (Main)	8th December 2019	9:30 am to 12:30 pm
8	PART TEST - III (Advanced)	15th December 2019	Paper 1 - 9:30 am to 12:30 pm Paper 2 - 1:30 pm to 4:30 pm
9	Test Analysis & Concept Strengthening Classroom Sessions on 20th December 2019 at FIITJEE Study Centre		
10	FULL TEST - I (Main)	Test Papers to be Downloaded on 18th December 2019 for practicing at home	
11	FULL TEST - I & II (Advanced)		
12	FULL TEST - II (Main)	22nd December 2019	9:30 am to 12:30 pm
13	FULL TEST - III (Main)	29th December 2019	9:30 am to 12:30 pm
14	FULL TEST - IV & V (Main)	Test Papers to be Downloaded on 29th December 2019 for practicing at home	
15	FULL TEST - III, IV & V (Advanced)	Test Papers to be Downloaded on 8th January 2020 for practicing at home	
16	OPEN TEST (Main)	9th February 2020	9:30 am to 12:30 pm
17	CONCEPT RECAPITULATION TEST # PAPERS - SET I, II, III & IV (Main)	Test Papers to be Downloaded on 12th February 2020 for practicing at home	
18	FULL TEST - VII (Main)	22nd March 2020	9:30 am to 12:30 pm
19	FULL TEST - VIII (Main)	29th March 2020	9:30 am to 12:30 pm
20	CONCEPT RECAPITULATION TEST # PAPERS - SET I, II, III & IV (Advanced)	Test Papers to be Downloaded on 15th April 2020 for practicing at home	
21	OPEN TEST (Advanced)	19th April 2020	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
22	FULL TEST - VII & VIII (Advanced)	Test Papers to be Downloaded on 22nd April 2020 for practicing at home	
23	Test Analysis & Concept Strengthening Classroom Sessions on 24th April 2020 at FIITJEE Study Centre		
24	FULL TEST - IX (Advanced)	26th April 2020	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
25	Test Analysis & Concept Strengthening Classroom Sessions on 1st May 2020 at FIITJEE Study Centre		
26	FULL TEST - X (Advanced)	3rd May 2020	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
27	Test Analysis & Concept Strengthening Classroom Sessions on 8th May 2020 at FIITJEE Study Centre		
28	FULL TEST - XI (Advanced)	10th May 2020	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
ADVANCED (Paper 1 and Paper 2) will each have three separate sections on Physics, Chemistry & Mathematics. Both papers will be objective type.			

* The Schedule is based on assumption that the JEE Main would be taking place in 1st /2nd week of January 2020 as well as in April 2020 and the JEE Advanced would be held on 17th May 2020. The Schedule is subject to change and will be as per the official announcement of JEE Main 2020 by NTA and of JEE Advanced 2020 by IIT.

Concept Recapitulation Test Papers are Practice Test Papers through which particular concepts are to be revised. These papers are very helpful to revise the topic of Physics, Chemistry & Mathematics without actually revising the entire theory. In these papers, representative problems are there from various concepts of JEE syllabus, through which students can recapitulate entire topics before JEE within short span of time.

Note : Test Dates will be confirmed by August 2019.

Syllabi

PAPER	CHEMISTRY	MATHEMATICS	PHYSICS
Part Test – I			
MAIN	Atomic Structure, Chemical Kinetics, 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, Chemical Kinetics, 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, Solid State, 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, 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
ADVANCED	Group V to VIII, Transition Elements & Coordination Compounds, Ores and Metallurgy, Liquid Solution, Electrochemistry, Thermodynamics & Thermochemistry, Stoichiometry, Gaseous State, Qualitative Analysis, Solid State	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 same as that of Part Test - I, II & III combined.