

# FIITJEE ONE YEAR ALL INDIA TEST SERIES

(with Concept Strengthening Classroom Program)

## for JEE (Main) & JEE (Advanced), 2018

### SCHEDULE

S.NO.	AIITS TEST	TEST DATE	TEST TIMINGS
1	PART TEST - I (Main)	Saturday, 11th November 2017	PCM (Objective) - 3:00 pm to 6:00 pm
2	PART TEST - I (Advanced)	Sunday, 12th November 2017	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 Tuesday, 21st November 2017 at FIITJEE Study Centre		
4	PART TEST - II (Main)	Saturday, 2nd December 2017	PCM (Objective) - 3:00 pm to 6:00 pm
5	PART TEST - II (Advanced)	Sunday, 3rd December 2017	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 Tuesday, 12th December 2017 at FIITJEE Study Centre		
7	PART TEST - III (Main)	Saturday, 16th December 2017	PCM (Objective) - 3:00 pm to 6:00 pm
8	PART TEST - III (Advanced)	Sunday, 17th December 2017	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 Tuesday, 26th December 2017 at FIITJEE Study Centre		
10, 11	FULL TEST - I & II (Main)*	Test Papers to be Downloaded on 19th December 2017 from <a href="http://aitspapers.fiiitjee.com">http://aitspapers.fiiitjee.com</a> for practicing at home for Full Tests' preparation	
12, 13	FULL TEST - I & II (Advanced)*		
14	FULL TEST - III (Main)	Saturday, 13th January 2018	PCM (Objective) - 3:00 pm to 6:00 pm
15	FULL TEST - III (Advanced)	Sunday, 14th January 2018	Paper 1 - 9:30 am to 12:30 pm Paper 2 - 1:30 pm to 4:30 pm
16	Test Analysis & Concept Strengthening Classroom Sessions on Tuesday, 23rd January 2018 at FIITJEE Study Centre		
17, 18	FULL TEST - IV & V (Main)*	Test Papers to be Downloaded on 16th January 2018 from <a href="http://aitspapers.fiiitjee.com">http://aitspapers.fiiitjee.com</a> for practicing at home for Full Tests' preparation	
19, 20	FULL TEST - IV & V (Advanced)*		
21	OPEN TEST (Main)	Sunday, 4th February 2018	PCM (Objective) - 9:30 am to 12:30 pm
22	OPEN TEST (Advanced)	Sunday, 11th February 2018	PAPER 1 - 9:00 am to 12:00 noon PAPER 2 - 2:00 pm to 5:00 pm
23	Test Analysis & Concept Strengthening Classroom Sessions on Tuesday, 20th February 2018 at FIITJEE Study Centre		
24, 25, 26, 27	CONCEPT RECAPITULATION TEST *# PAPERS - SET I, II, III & IV (Main)	Test Papers to be Downloaded on 14th February 2018 from <a href="http://aitspapers.fiiitjee.com">http://aitspapers.fiiitjee.com</a> for practicing at home for Full Tests' preparation	
28	FULL TEST - VII (Main)	Sunday, 18th March 2018	PCM (Objective) - 9:30 am to 12:30 pm
29	FULL TEST - VIII (Main)	Sunday, 25th March 2018	
30	FULL TEST - VII (Advanced)	Sunday, 15th April 2018	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
31	Test Analysis & Concept Strengthening Classroom Sessions on Friday, 20th April 2018 at FIITJEE Study Centre		
32	FULL TEST - VIII (Advanced)	Sunday, 22nd April 2018	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
33	Test Analysis & Concept Strengthening Classroom Sessions on Friday, 27th April 2018 at FIITJEE Study Centre		
34	FULL TEST - IX (Advanced)	Sunday, 29th April 2018	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
35	Test Analysis & Concept Strengthening Classroom Sessions on Friday, 4th May 2018 at FIITJEE Study Centre		
36, 37, 38, 39	CONCEPT RECAPITULATION TEST *# PAPERS - SET I, II, III & IV (Advanced)	Test Papers to be Downloaded on 1st May 2018 from <a href="http://aitspapers.fiiitjee.com">http://aitspapers.fiiitjee.com</a> for practicing at home for Full Tests' preparation	
40	FULL TEST - X (Advanced)	Sunday, 6th May 2018	Paper 1 - 9:00 am to 12:00 noon Paper 2 - 2:00 pm to 5:00 pm
41	Test Analysis & Concept Strengthening Classroom Sessions on Friday, 11th May 2018 at FIITJEE Study Centre		
42	FULL TEST - XI (Advanced)	Sunday, 13th May 2018	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.

Note: In case of any change in the above schedule due to unforeseen & unavoidable reasons, the same will be put-up on FIITJEE website: [www.fiiitjee.com](http://www.fiiitjee.com).

Open Test (Main) & Open Test (Advanced) dates are subject to change & will be finalized after the announcement of CBSE XII Boards 2018 date sheet.

# SYLLABI

PAPER	CHEMISTRY	MATHEMATICS	PHYSICS
<b>Part Test – I</b>			
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
<b>Part Test - II</b>			
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, Magnetism, Electromagnetic Induction, A.C. Circuit
<b>Part Test - III</b>			
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, 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, 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.

## All India Test Series - Test Centres

**Delhi NCR:** Delhi (South), Delhi (North West), Delhi (Dwarka), Delhi (East), Faridabad, Gurgaon, Noida, Ghaziabad **Andhra Pradesh:** Vijayawada, Visakhapatnam **Assam:** Guwahati, Nagaon **Bihar:** Bhagalpur, Darbhanga, Gaya, Muzaffarpur, Patna **Chandigarh, Chhattisgarh:** Bhilai **Gujarat:** Ahmedabad, Vadodara **Haryana:** Hisar, Karnal, Rohtak **Jammu & Kashmir:** Jammu **Jharkhand:** Bokaro, Dhanbad, Jamshedpur, Ranchi **Karnataka:** Bangalore, Mysore **Kerala:** Kochi, Thrissur **Madhya Pradesh:** Bhopal, Gwalior, Indore, Jabalpur **Maharashtra:** Aurangabad, Mumbai (Andheri), Mumbai (Chembur), Mumbai (Kandivali), Mumbai (Thane), Mumbai (Navi Mumbai), Nagpur, Nashik, Pune **Odisha:** Bhubaneswar, Cuttack, Rourkela **Punjab:** Amritsar, Bathinda, Ludhiana **Rajasthan:** Ajmer, Jaipur, Jodhpur, Kota, Udaipur **Tamilnadu:** Chennai, Coimbatore, Trichy **Telangana:** Hyderabad **Tripura:** Agartala **Uttar Pradesh:** Agra, Allahabad, Bareilly, Gorakhpur, Jhansi, Kanpur, Lucknow, Meerut, Shaktinagar NTPC, Varanasi **Uttarakhand:** Dehradun, Roorkee **West Bengal:** Durgapur, Kharagpur, Kolkata, Siliguri.

### For Test Papers to be taken at home:

- \* 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. To simulate exam like conditions, following guidelines are suggested:
- ❖ Choose a chair, table and a place to sit undisturbed for test duration. Use only Black Pen. Approach examination table 15 minutes before start time of Test. Strictly stick to the starting and ending times of your Test, decided before hand. You will be given no extra time whatsoever in JEE.

# **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.