

# **FIITJEE All India Open Test Series for NTSE 2019-20**

## **Schedule**

Test	Test Date	Test Timings
Part Test - 1	29th July, 2019	MAT: 5:00 PM - 7:00 PM  SAT: 7:10 PM - 9.10 PM
Part Test - 2	12th August, 2019	
Part Test - 3	2nd September, 2019	
Part Test - 4	30th September, 2019	
Full Test	14th October, 2019	

## **Schedule of All India Internal Test Series (AiITS) for Class X\***

Test	Test Date	Test Timings
AiITS - 1	15th July, 2019	5:45PM - 9:00PM
AiITS - 2	16th September, 2019	
AiITS - 3	9th December, 2019	
AiITS - 4	3rd February, 2020	

\*Students enrolled in AIOTS-NTSE are also eligible for All India Internal Test Series (AiITS) being held for FIITJEE Classroom Program Students of Class X (JEE Advanced 2022 Aspirants).

## **Syllabi for All India Open Test Series-Target NTSE 2019-20**

### **PART TEST – 1**

<b>Mental Ability Test</b>	Series; Inserting the Missing Character; Blood Relations; Alphabet Test; Averages; Speed, Distance & Time; Arithmetic Reasoning; Coding Decoding; Direction Sense Test; Time & Work.
<b>Physics</b>	Current Electricity; Motion.
<b>Chemistry</b>	Chemical Reactions & Equations; Acids, Base & Salts; Is Matter Around Us Pure?
<b>Biology</b>	Nutrition; Respiration; Transportation; Excretion; Cell.
<b>Mathematics</b>	Number System, Real Numbers; Polynomials, Factor & Remainder Theorem; Surds, Indices & Exponents.
<b>Social Science</b>	<b>History:</b> The French Revolution; Russian Revolution; Nazism and the Rise of Hitler; Forest Society and Colonialism. <b>Geography:</b> India, Size and Location; Physical Features of India; Drainage. <b>Political Science:</b> Democracy in the Contemporary World; What is Democracy, why Democracy? <b>Economics:</b> Story of Village Palampur; People as Resources.

### **PART TEST – 2**

<b>Mental Ability Test</b>	Number, Ranking & Time Sequence Test; Clock; Data Sufficiency; Equation, Ratio, Proportion & Variation; Calendar; Logical Venn Diagram; Syllogism; Counting number of Figures; Input Output; Statement, Assumption & Conclusion.
<b>Physics</b>	Magnetic Effects of Current; Sources of Energy; Laws of motion.
<b>Chemistry</b>	Metals & Non Metals, Alkaline Earth Metals; Atoms & Molecules and Mole Concept.
<b>Biology</b>	Improvement in Food Resources; Tissue; Control & Coordination.
<b>Mathematics</b>	Triangles; Quadrilaterals; Area of Parallelograms and Triangles; Heron's Formula; Linear Equations in Two Variables.
<b>Social Science</b>	<b>History:</b> The Making of the Global World; Age of Industrialization; Print Culture and the Modern World; Novels, Society and History. <b>Geography:</b> Resources and Development; Natural Vegetation; Water Resources. <b>Political Science:</b> Power Sharing & Federalism; Democracy and Diversity; Gender, Religion and Caste. <b>Economics:</b> Development; Sectors of the Indian Economy.

**PART TEST – 3**

<b>Mental Ability Test</b>	Puzzles; Data Interpretation; Basics of Number System; Figure Series, Analogy & Classification; Paper Folding, Unfolding, Cutting & Dot Situation; Mirror & Water Images; Figure Matrix.
<b>Physics</b>	Light, Reflection & Refraction; Work, Energy & Power.
<b>Chemistry</b>	Carbon & Its Compound; Structure of Atom.
<b>Biology</b>	DLO; Natural Resources; Reproduction in Plants and Animals.
<b>Mathematics</b>	Quadratic Equations; Arithmetic Progression; Trigonometry; Application of Trigonometry; Circles; Areas related to Circles.
<b>Social Science</b>	<p><b>History:</b> Pastoralists in the Modern World; Clothing: A Social History; Work, Life and Leisure; The Story of Cricket.</p> <p><b>Geography:</b> Climate; Mineral and Energy Resources; Agriculture; Population.</p> <p><b>Political Science:</b> Constitutional Design; Electoral Politics; Democratic Rights; Working of Institutions.</p> <p><b>Economics:</b> Poverty as a Challenge facing India; Money and Credit.</p>

**PART TEST - 4**

<b>Mental Ability Test</b>	Classification; Analogy; Percentages; Profit, Loss & Discount; Alligations or Mixtures; Simple and Compound Interest; Cubes and Dice; Fundamental Principal of Counting; Data Inequality.
<b>Physics</b>	Eye; Gravitation; Fluid; Waves and Sound.
<b>Chemistry</b>	Matter in our surroundings; Periodic properties.
<b>Biology</b>	Heredity and Evolution; Environment; Diseases.
<b>Mathematics</b>	Surface Area and Volume; Probability; Statistics; Co-ordinate Geometry.
<b>Social Science</b>	<p><b>History:</b> The Rise of Nationalism in Europe; Nationalist Movement in Indo-China; Nationalism in India; Peasants and Farmers.</p> <p><b>Geography:</b> Manufacturing Industries; Life Line of National Economy.</p> <p><b>Political Science:</b> Popular Struggles and Movements; Outcomes &amp; Challenges to Democracy; Political Parties.</p> <p><b>Economics:</b> Consumer Rights; Globalization and the Indian Economy; Food Security.</p>

**NOTE: FULL TESTS SYLLABI WILL BE SAME AS THAT OF PART TEST - I, II III & IV COMBINED.**

**Syllabi of All India Internal Test Series (AIITS) for Class X**

AIITS		Chemistry		Mathematics		Physics
AIITS-1	100%	Acid Base and Salts Chemical Reactions	100%	Arithmetic Progressions Linear Equations in Two Variables Polynomials Real Numbers Quadratic Equations	100%	Domestic electric circuits Electricity
AIITS-2	30%	AIITS -1 Syllabus	30%	AIITS -1 Syllabus	30%	AIITS -1 Syllabus
	70%	Metals and Non Metals	70%	Application of Trigonometry Similar Triangles Logarithms Trigonometry	70%	Magnetic effect of Electric Current Source of Energy
AIITS-3	40%	AIITS-1 & AIITS-2 Syllabus	40%	AIITS-1 & AIITS-2 Syllabus	40%	AIITS-1 & AIITS-2 Syllabus
	60%	Carbon & Its Compounds	60%	Co-ordinate Geometry Constructions Tangents to a Circle Statistics	60%	Light
AIITS-4	40%	AIITS-1, AIITS-2 & AIITS-3 Syllabus	40%	AIITS-1, AIITS-2 & AIITS-3 Syllabus	40%	AIITS-1, AIITS-2 & AIITS-3 Syllabus
	60%	Periodic Classification	60%	Area Related to Circle Probability Surface Area and Volume	60%	The Human Eye and The Colorful World