

## Syllabus of NTSE (STAGE-II) OFFLINE TEST SERIES

### Academic Session [2019-2020]

TEST DATE	PATTERN	SUBJECT	SYLLABUS
<p><b>Test Dates</b></p> <p><b>29/03/2020,</b></p> <p><b>19/04/2020,</b></p> <p><b>26/04/2020,</b></p> <p><b>03/05/2020</b></p> <p><b>(FULL SYLLABUS)</b></p>	SAT	PHYSICS	Motion, Force & Newton's Laws of Motion, Friction, Thrust & Pressure, Gravitation, Work, Energy, Power, Waves, Oscillations & Sound, Static Electricity, Current Electricity, Chemical Effects of Electric Current, Magnetism & Magnetic Effects of Electric Current, Sources of Energy, Heat, Reflection & Refraction of Light, Human eye & Colourful World, Optical Instruments, Universe
		CHEMISTRY	Matter In Our Surroundings, Is Matter Around us Pure, Atoms & Molecules, Structure of Atom, Chemical Reactions & Equations, Acids, Bases & Salts, Metals & Non-Metals, Carbon & its Compounds, Periodic Classification of Elements
		BIOLOGY	Cell, Tissues, Diversity in Living Organisms, Why Do We Fall ill, Natural Resources, Improvement in Food Resources, Plant Nutrition, Animal Nutrition, Respiratory System, Transportation in Plant And Animal, Excretory System, Control & Coordination, Reproduction in Plants & Animals, Heredity And Evolution, Our Environment, Management of natural resources
		MATHS	Number System, Real Numbers, Surds & Indices, Polynomials, Linear Equations, Quadratic Equations, Arithmetic Progressions, Basic Concepts of Geometry, Lines & Angles, Quadrilaterals, Triangles, Circles, Heron's Formula, Areas Related to Circles, Two Dimensional Coordinate Geometry, Trigonometric Ratios & Identities, Applications of Trigonometry, Mensuration-Surface Areas & Volumes, Statistics, Probability
		SOCIAL SCIENCE	National movement in India, World History - French Revolution, Nationalism in Europe, World War I, World War II, Russian Revolution, Nationalism in Indo-China, Hitler, Making of the Global World, The Age of Industrialisation, Work, Life & Leisure, Forest, Society, & Colonialism, Peasant & Farmers, Pastoralism, The Story Of Cricket, Clothing, Print Culture, Novels Economics - Production & its Factors, People as Resource, Poverty, Food Security, Development, Sectors of Indian Economy, Money & Credit, Globalisation, Consumer Rights, Geography - Indian Geography : Size, Location, Physical Features, Drainage, Climate, Population, Resources & Development, Natural Vegetation & Wildlife, Water Resources, Minerals & Energy Resources, Agriculture, Manufacturing Industries, Lifelines of National Economy Civics - Constitution, Working of Institutions, Electoral Politics, Democratic Rights, Power Sharing, Federalism, Democracy & Diversity, Gender, Caste, Religion, Outcomes & Challenges to Democracy, Political Parties, Pressure Groups & Movements
	MAT	Series (Verbal & Non-Verbal), Analogy (Verbal & Non-Verbal), Classification (Verbal & Non-Verbal), Coding - Decoding, Logical Venn Diagrams, Logical Sequence & Words, Mathematical Operations, Direction Sense Test, Alphabet Test, Alpha - Numeric Sequence Puzzle, Puzzle test, Number, Ranking & Time Sequence Test, Blood Relations, Inserting the Missing Character, Water & Mirror Images, Calendar, Clocks, Arithmetical Reasoning, Statement & Conclusions, Dices & Cubes, Analytical Reasoning, Spotting Out the Embedded Figure, Completion of Incomplete Pattern, Figure Matrix, Paper Folding, Rule Detection, Dot Situation, Construction of Shapes.	