

Syllabus of NTSE (STAGE-II) TEST SERIES Academic Session [2017-2018]

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	States of Matter, 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, Health & Diseases, Natural Resources, Improvement in Food Resources, Plant Nutrition , Animal Nutrition , Respiratory System , Transport System, Excretory System, Control & Coordination, Reproduction in Plants & Animals, Heredity : Fundamentals of Genetics, Origin & Evolution, Our Environment
	MATHS	Number System, Real Numbers, Square & Square Roots, Cube & Cube Roots, Playing with Numbers, Exponents & Powers, Surds & Indices, Arithmetic, Algebraic Expressions, 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, Simple Trigonometry, Trigonometric Ratios & Identities, Applications of Trigonometry, Mensuration-Surface Areas & Volumes, Statistics, Probability Everyday Mathematics - Simple Interest & Compound Interest, Percentage & its Application, Direct & Inverse Variation, Ratio & Proportion, Average & Problems on Ages, Partnership, Mixtures & Alligations, Profit & Loss, Time & Distance, Unitary Method.
	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 -Natural Vegetation & Wildlife, Water, Minerals, Agriculture, Industries & Lifelines Industries, 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 tests, 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 & Boxes	