



NATIONAL SCIENCE TALENT SEARCH EXAMINATION

S Y L L A B U S

Class - 1

Mathematics : Numbers upto 100, Addition, Subtraction, Multiplication as Repeated Addition, Lengths, Weight, Capacity, Time, Geometrical Shapes.

General Science : Living & Non-living Things, Plant life, Animal life, Human body, Good Habits, Air, Water & Weather.

Class - 2

Mathematics : Numbers, Addition, Subtraction, Multiplication, Division, Length, Weight, Capacity, Time, Shapes.

General Science : Living & Non-living things, Plant life, Animal life, Human body, Safety Rules, Air, Water & Weather, Rock and Minerals, Our universe.

Class - 3

Mathematics : Numbers, Addition, Subtraction, Multiplication, Division, Fractions, Length, Weight, Capacity, Shapes.

General Science : Plant life, Animals : Their food & Home, Birds : Beaks Claws & Nests of the Birds, Soil, Our Universe, Human Body, Safety & First Aid, Transport and Communication, Matter and Materials, Force.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 4

Mathematics : Large Numbers, Addition and Subtraction, Multiplication and division, Fractions, Length, Weight, Capacity, Time, Geometry.

General Science : Plant life, Animal life, Food & Digestion, Health & Hygiene, Teeth & Microbes, Safety & First Aid, Our Clothes, Our Universe, Matter and Materials, Force Work and Energy.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 5

Mathematics : Large Numbers, Factors and Multiples, Fractions and Decimals, Measurement of Length, Weight, Capacity, Volume, Time, Temperature, Conversions, Percentages, Ratios, Speed Distance and Time, Geometry, Perimeter and Area.

General Science : Plant life, Animal life, Human body, Soil Rocks & Minerals, Air Water and Weather, Our Universe, Matter and Materials, Force Work and Energy.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, Higher order thinking.

Class - 6

Mathematics : Patterns in Mathematics, Lines and Angles, Number Play, Data Handling and Presentation, Prime Time, Perimeter and Area, Fractions, Playing with Constructions.

Physics : Exploring Magnets, Measurement of Length and Motion, Temperature and its Measurement.

Chemistry : Materials Around Us, A journey through States of Water.

Biology : The Wonderful World of Science, Diversity in the Living World, Mindful Eating : A Path to a Healthy Body, Living Creatures : Exploring Their Characteristics.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 7

Mathematics : Integers, Fractions and Decimals, Data Handling, Simple Equations, Lines and Angles, The Triangle and its Properties, Comparing Quantities, Rational Numbers, Perimeter and Area, Algebraic Expressions, Exponents and Powers, Symmetry.

Physics : Electricity : Circuits and their Components, Heat Transfer in Nature, Measurement of Time and Motion.

Chemistry : Exploring Substances : Acidic, Basis and Neutral, The World of Metals and Non-Metals.

Biology : The Ever-Evolving World of Science, Adolescence : A Stage of Growth and Change, Life Processes in Animals, Life Process in Plants.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 8

Mathematics : Rational Numbers, Linear Equations in One Variable, Understanding Quadrilaterals, Data Handling, Squares and Square Roots, Cubes and Cube Roots, Comparing Quantities, Algebraic Expressions and Identities, Mensuration, Exponents and Powers, Direct and Inverse Proportions, Factorization.

Physics : Force and Pressure, Friction, Sound, Chemical Effects of Electric Current, Some Natural Phenomena, Light.

Chemistry : Coal and Petroleum, Combustion and Flame.

Biology : Food Production and Management, Microorganisms, Conservation of Plants and Animals, Reproduction in Animals.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 9

Mathematics : Number Systems, Polynomials, Co-ordinate Geometry, Linear Equations in Two Variables, Introduction to Euclid's Geometry, Lines and Angles, Triangles, Quadrilaterals, Circles, Heron's Formula, Surface Areas and Volumes.

Physics : Motion, Force and Laws of Motion, Gravitation & Pressure, Work Energy & Power.

Chemistry : Matter in Our Surroundings, Is Matter Around Us Pure, Atoms and Molecules.

Biology : Cell, Tissues, Improvement in Food Resources.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

Class - 10

Mathematics : Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions, Triangles, Co-ordinate Geometry, Introduction to Trigonometry, Some Applications of Trigonometry, Circles, Areas Related to Circles, Surface Areas and Volumes.

Physics : Light, Reflection & Refraction, The human eye and the Colourful World, Electricity, Magnetic effects of electric current.

Chemistry : Chemical Reactions & Equations, Acids Bases and Salts, Metals & non-metals, Carbon and its compounds.

Biology : Life processes, Control & Co-ordination, Reproduction, Our Environment.

Critical Thinking : This section includes a combination of skills like conscious application in real life, Logical & Inductive Reasoning, Tactics & Strategies in decision making, higher order thinking.

