

for Gujarat

BIOLOGY

NTSE Biology-1	Nutrition and Respiration, Transportation, Circulation and Excretion, Control and Coordination, Reproduction in Organisms, Heredity and Evolution, Our Environment, Management of Natural Resources.
NTSE Biology-2	The Fundamental Unit, Plant Tissues, Animal Tissues, Why do we fall ill ,Diversity in Living (Plants), Diversity in Living Organisms, Our Natural Resources, Food Resources.

PHYSICS

NTSE Physics-1	An introduction to nanotechnology, Light: Reflection and Refraction, Dispersion of light and optical phenomena, Electricity, Magnetic effects of electric current, Universe.
NTSE Physics-2	Motion, Force and NLM, Gravitation, Thrust and Pressure, Work, Energy and Power, Waves and Sound.

CHEMISTRY

NTSE Chemistry-1	Acids bases and salts, Metals and Non-metals, Mineral coal and mineral oil, Organic compounds
NTSE Chemistry-2	Properties of matter, Structure of atom, Periodic classification of elements, Chemical bonding, Chemical reactions

MATHEMATICS

NTSE Mathematics-1	Euclid's Algorithm and Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions, Similarity of Triangles, Similarity and the Theorem of Pythagoras, Coordinate Geometry, Trigonometry, Heights and Distances, Circles, Constructions, Area Related to Circles, Surface Areas and Volumes, Statistics, Probability.
NTSE Mathematics-2	Set Operations, Number System, Polynomials, Coordinate Geometry, Linear Equations in Two Variables, Structure of Geometry, Some Primary Concepts in Geometry :1, Some Primary Concepts in Geometry :2, Triangles, Quadrilaterals, Area of Parallelograms and Triangles, Circles, Constructions, Heron's Formulae, , Surface Areas and Volumes, Statistics, Probability, Logarithm.

MENTAL ABILITY

NTSE Mental Ability-1	Verbal : Series, Logical Sequence of Words, Coding & Decoding, Analogy, Classification, Logical Venn Diagrams, Mathematical Operations, Direction Sense Test, Alphabet Test, Puzzle Test, Number, Ranking and Time Sequence Tests, Alpha-Numeric Sequence Puzzle, Inserting the Missing Characters, Calendar, Arithmetical Reasoning, Blood Relations, Statements-Conclusions, Clocks, Data Sufficiency, Sequential Tracing, Eligibility test.
NTSE Mental Ability-2	Non Verbal : Series, Analogy, Classification, Analytical Reasoning, Mirror Images, Water Images, Spotting Out the Embedded Figures, Completion of Incomplete Pattern, Figure Matrix and Figure Formation, Paper Folding and Paper Cutting, Rule Detection, Construction of Shapes, Dices, Construction of Boxes, Cubes, Dot Situation, Grouping of Identical Figures or Similar Figures.

SOCIAL SCIENCE

NTSE SST-1	History: Our Glorious Heritage, Cultural Heritage of India : Handicraft, Cultural Heritage of India: Sculpture and Architecture, Cultural Heritage of India: Literature, India's Heritage of Science and Technology, Place of Indian Cultural Heritage, Preservation of Our Heritage.
	Geography : Natural Resources, Resource, Vegetation and Wildlife, India-Agriculture, Water Resources, Mineral Resources, Energy Resources, Manufacturing Industries, Transport, Communication and Trade.
	Economics : Economic Development, Economic Liberalisation and Globalisation, Major problems of Indian Economy, Price Rise and Consumer Awareness, Dynamics of Human Development, Social Problems and Challenges, Social Changes.
NTSE SST-2	History : Contemporary streams of World History, Influence of British rule in India and Nationalized Movement, March towards Achievement of Independence, World after 1945-I, World after 1945-II, Post-Independence India- I, Post-Independence India – II.
	Civics : Framing of the Constitution and its salient features, Fundamental Rights, Fundamental Duties and Directive Principles of State Policy, Organs of the Government , Judiciary in India, Indian Democracy.
	Geography : India's Size and Location, Geological structure and physiography, Climate, Drainage system , Natural Vegetation, Wildlife, Population.

ENGLISH

NTSE English	Part-I : Sentences, Nouns, Pronouns, Adjectives, Determiners, Prepositions, Conjunctions, Verbs, Modals, Subject-Verb Agreement, Tenses, Conditionals, Voice, Speech, Adverbs, Punctuations. Part-II : Synonyms, Antonyms, Phrasal Verbs, Idioms & Phrases, Four Word Vocabulary Part-III : Cloze Test, Error Spotting, Jumbled Up Words, Sentence Reordering, Ordering of Words, Missing Sentences, Comprehension.
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PRACTISING NTSE

Practising NTSE	Set of state pattern NTSE papers for practice
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