

## for Other States

### BIOLOGY

NTSE Biology-1	Life Processes, Life Process - Nutrition, Life Process - Respiration, Life Process - Excretion, Life Process - Transportation in Plant and Animal, Control and Coordination, Reproduction in Plants and Animals, Heredity - Fundamentals of Genetics, Origin and Evolution, Our Environment, Management of Natural Resources.
NTSE Biology-2	Cell – Unit of Life, Tissue, Improvement in Food Resources, Diversity in Living Organisms, Why do we fall ill?.

### PHYSICS

NTSE Physics-1	Electricity and Chemical Effects of Current, Magnetic Effects of Current, Light, Sources of Energy, Heat, Miscellaneous.
NTSE Physics-2	Motion, Force and NLM, Gravitation, Thrust and Pressure, Work, Energy and Power, Waves and Sound

### CHEMISTRY

NTSE Chemistry-1	Chemical Reactions & Equations, Acid, Bases and Salts, Metals and Non-Metals, Carbon and Its Compounds, Periodic Classification of Elements.
NTSE Chemistry-2	Matter in Our Surroundings, Is Matter Around us Pure?, Atoms and Molecules, Structure of Atom.

### MATHEMATICS

NTSE Mathematics-1	Linear Equations in Two Variables, Number System, Surds and Indices, Polynomials, Rational Expressions, Quadratic Equations, Arithmetic Progressions, Coordinate Geometry, Trigonometry and Its Applications, Triangles, Circles and Tangent to the circle, Mensuration of Plane Figures, Mensuration of Solid Figures, Statistics, Probability, Lines and Angles, Quadrilaterals, Area of Parallelogram and Polygon.
NTSE Mathematics-2	Every Day Mathematics : Percentage, Profit, Loss and Discount, Partnership, Mixtures and Alligations, Simple and Compound Interest, Installments, Ratio and Proportion, Time Speed & Distance, Unitary Method, Time and Work, Pipes And Cisterns, Problems on Ages.

### MENTAL ABILITY

NTSE Mental Ability-1	<b>Verbal</b> : 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 input output Tracing, Eligibility test.
NTSE Mental Ability-2	<b>Non Verbal</b> : 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	<b>History</b> : The Making of a Global World, The Age of Industrialisation, Work, Life & Leisure, Print Culture and the Modern World, Novels-Society and History, The rise of nationalism in Europe, The Nationalist Movement in Indo – China, Nationalism in India
	<b>Civics</b> : Power Sharing, Federalism, Democracy and Diversity, Gender, Religion & Caste, The Popular Struggle and Movement, Political Parties, Outcomes of Democracy, Challenges to Democracy.
	<b>Geography</b> : Resources & Development, Forest and Wildlife Resources, Water Resources, Agriculture, Mineral and Power Resources, Manufacturing Industries, Life Lines of National Economy.
NTSE SST-2	<b>History</b> : The French Revolution, The Russian Revolution, Nazism and Rise of Hitler, Forest Society & Colonialism, Pastoralists in the Modern World, Peasants & Farmers, History and Sport - The Story of Cricket, Clothing – A Social History
	<b>Civics</b> : Democracy in Contemporary World, What is Democracy, Why Democracy, Constitutional Design, Electoral Politics, Working of Institutions, Democratic Rights
	<b>Geography</b> : India Size And Location, Physical Features of India, Drainage, Climate, Natural Vegetation and Wildlife, Population
	<b>Economics</b> : The Story Of Village Palampur, People as resources, Poverty As a Challenge, Food Security in India

### ENGLISH

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