

for

Madhya Pradesh

BIOLOGY

NTSE Biology-1	Nutrition, Respiration, Transportation in Plants and Animals, Excretion, Control and Coordination, Reproduction in Plants and Animals, Genetics, Evolution, Our Environment, Management of Natural Resources, Medicinal Plants
NTSE Biology-2	Organization of Living World, Biodiversity-Classification of Organisms, Nutrition and Health, Food Resources-Sustainable Agriculture, Food Resources- Animals, Habitat-Adaptation and Medicinal Plants, Biosphere, Sources of Waste Material.

PHYSICS

NTSE Physics-1	Universe and space exploration, Light, Electricity and Chemical Effects of Current, Magnetic Effects of Current, Sources of Energy.
NTSE Physics-2	Science and its history, Measurement, Motion, Force and NLM, Gravitation, Thrust and Pressure, Work, Energy and Power, Temperature and heat, Waves and Sound

CHEMISTRY

NTSE Chemistry-1	Rate of Chemical reactions and chemical equilibrium, Some important chemical compounds, Metals and non-metals, Carbon compounds
NTSE Chemistry-2	Nature and Classification of Matter, Structure of, Periodic table of Elements, Chemical bonding and chemical reactions, Our natural resources,

MATHEMATICS

NTSE Mathematics-1	History of Mathematics, Sets, Number System and Surds, Functions, Polynomials, Logarithms, Linear Equations, Quadratic Equations, Triangles, Parallelograms, Trigonometry, Circle, Statistics, Probability, Mensuration.
NTSE Mathematics-2	Every Day Mathematics : Percentage, Profit, Loss and Discount, Partnership, Mixtures and Alligations, Commercial Mathematics, Ratio and Proportion, Time Speed & Distance, Unitary Method, Time and Work, Pipes And Cisterns, Problems on Ages.

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 : The First Freedom Struggle of 1857, Nationalism in India, Contribution of Madhya Pradesh in the Freedom Struggle, Important Events of the post independent India.
	Civics Indian Constitution, Functioning of Indian Democracy, Main challenges before Indian Democracy
	Geography : Resources of India- I & II, Manufacturing Industries, Transport and Communication, Map: Reading and Depiction, Natural Disasters and Disaster Management
	Economics : Economic Development and Planning, Rural Development and Employment Guarantee Scheme, Money and Financial System , Economy: Service Sector and Infrastructure, Consumer Rights, Economic System, Globalisation and the Indian Economy.
NTSE SST-2	History : : History of ancient India, Medieval India, Major cultural trends
	Civics : Democracy, Elections, Constitutional Rights and Duties
	Geography : : Man and Environment, Efforts and Successes of Environmental Conservation, India-Size and Location, Physical divisions of India, Drainage, Climate, Natural vegetation and wildlife, Population, Map; Reading and Numbering
	Economics : Growth of rural Economy, Poverty as a Challenge, State of Industries in India, Food Security in India

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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