

for Odisha

BIOLOGY

NTSE Biology-1 Nutrition, Respiration, Transportation and Circulation, Excretion, Control and Coordination, Reproduction in Plants and Animals, Heredity and Evolution, Our Environment, Conservation of National Resources

NTSE Biology-2 Biodiversity, Cell and its Organisation, Tissue System, Improvement in Food Resources, Disease and its Treatment, Natural Resources and its Pollution

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, 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, Equation of straight line, Theory of Sets.

NTSE Mathematics-2 Every Day Mathematics : Percentage, Profit, Loss and Discount, Partnership, Mixtures and Alligations, Simple and Compound Interest, Instalments, Ratio, Proportion and Variation, 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** : Mahatma Gandhi and the national movement, Role of Odisha in Indian National Movement, Formation of Independent Odisha state: Various stages of nationalism in Odisha, India as a newly Independent Nation: Till 20th Century, Merger of Odisha with Garjat States, Odisha: Determining definitive Development.

Civics : Formation of new states in India after Independence, Constitutional status of Jammu and Kashmir, Constitutional Design, Electoral Politics, Foreign Policy of India

Geography : Resources and Development, Forest and Wildlife Resources, Minerals and Energy Resources, Agriculture, Manufacturing Industries

Economics : Economic Development, Indian Economy; Growth Rate, Consumer Rights, Poverty as a Challenge, Unemployment.

NTSE SST-2 **History**: First World War, Russian Revolution, The League of Nations, Development of Fascism and Nazism, Second World War, Nationalist Movement in Asia, Nationalist Movement in Africa, Cold War, Formation of Military Blocks: Race for armaments, Non Aligned Movement, Disintegration of Soviet Union, India's Unity in Diversity and Traditions of India, Architecture, Literature, Science and Technology, Great Heritage of Odisha.

Civics Fundamental Rights, Fundamental Duties and Directive Principles of State Policy, Human Rights, Right to Information(RTI) Act of India, Indian Nationalism and National Integration, Democratic Values, United Nations

Geography : India-Size and Location, Physical divisions of India, Climate, Natural Vegetation and Wildlife, Population

Economics : : Economic Development II, Money and Credit, Sustainable Development.

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.

PRACTISING NTSE

Practising NTSE Set of state pattern NTSE papers for practice