

Syllabus - Class X (Foundation & NTSE)

Physics

Electricity, Magnetic Effect of Current & EMI, Source of Energy, Nuclear Fission & Fusion, Light

Chemistry

Chemical Reactions And Chemical Equations, Periodic Classification of Elements, Acids Bases And Salts Metals and Non-Metals, Carbon And its Compounds, Nuclear Chemistry, Coal Petroleum And Polymers

Biology

Nutrition, Respiration, Transportation, Excretion, Control & Co-Ordination, How to Organisms Reproduce, Heredity And Evolution: Our Environment, Management of Natural Resource

Maths

Real Numbers, Polynomials, Pair of Linear Equation in Two Variables, Quadratic Equations, Arithmetic Progressions, Similar Triangles, Coordinate Geometry, Trigonometry, Height And Distances, Circle, Construction, Area Related To Circle, Surface Area And Volume, Statistics, Probability

Mental Ability

Alphabetical Test, Coding-Decoding, Number Series, Alphabet-Series, Letter Repeating Series, Missing Term in Figure, Mathematical Operations, Direction Sense Test, Seating Arrangement, Ranking & Ordering-Test, Blood Relations, Puzzle Test, Venn Diagram, Syllogism, Analogy, Classification, Pyramid Test, Calendar Test, Dice Test, Cube Test, Clock Test, Figure Partition & Counting, Mirror & Water Images, Paper Cutting & Folding, Completion & Formation of Figure, Figure Embedded, Non-Verbal Series, Non-Verbal Analogy, Non-Verbal Classification, Logical Sequence of Words, Logical Deduction, Sequential Output Tracking, Arithmetical Reasoning, Date Sufficiency

English

Section-A (Reading): Reading Comprehension. (Passage Reading)

Section-B (Writing): Story Writing, Report Writing, Letter Writing, Article Writing.

Section-C Grammar): Tense, Conditionals, Subject-Verb Concord, Reported Speech, Determiners, Modals, Active-Passive Voice, Prepositions, Connectors.

Section-D (Literature): Two Gentlemen of Verona, Mrs. Packletide's Tiger, The Letter, A Shadu Plot, Patol Babu, Film Star, Virtuallu True, The frog And The Nightingale, Not Marble, Nor The Gilded Monuments, Ozymandias, The rime of the Ancient mariner, Snake, The Dear departed, Julius Casesar, Dairy of Young Girl-Term-I & II.The Story of my life-Term-I & II, Literary Terms.

Section-E (Practice Exercise): Dialogue Completion, Editing, Omission, Newspaper Headlines.

Social Science

Events And Processes : The Rise of Nationalism in Europe, The Nationalist Movement in Indo-China Factors leading to growth of nationalism in India, Nationalism in India

Livelihoods, Economies and Societies: The Making of a Global World, The Age of Industrialization and Work, Life and Leisure Everyday Life, Culture and Politics: Pint Culture and the Modern World, Novels, Society and History

Contemporary India II : Resources and Development, Forest and Wildlife resources, Water Resources, Agriculture, Mineral and Energy Resources, Manufacturing Industries, Life Lines of National Economy

Democratic Politics II : Power Sharing, Federalism, Gender, Religion and Caste, Popular Struggles and Movements, Political Parties, Outcomes of Democracy, Challenges to Democracy

Understanding Economic Development: Development, Sectors of the Indian Economy, Money and Credit, Globalisation and the Indian Economy, Consumer Rights