

## TSET-F1

Foundation Biology-1	Life Processes - Nutrition, Respiration, Transportation, Excretion, Control and Coordination
Foundation Physics-1	Optics: Reflection of Light, Optics: Refraction of Light, The Human Eye and the Colourful World
Foundation Chemistry-1	Chemical Reactions & Equations, Acids, Bases & Salts, Metals & Non-metals
Foundation Mathematics-1	Real Numbers, Polynomials, Pair of Linear Equations in Two Variables
Foundation Mathematics-2	Introduction to Trigonometry, Similar Triangles, Statistics
Foundation SST-1	History : The Rise of Nationalism in Europe, Nationalism in India. Geography: Resources and Development, Forest and Wildlife Resources, Water Resources, Agriculture. Civics : Power Sharing, Federalism, Gender, Religion and Caste. Economics : Development, Sectors of the Indian Economy.
Foundation Supplement SST	History : The Age of Industrialisation. Geography : Lifelines of National Economy. Economics : Consumer Rights.
Foundation English-1	Section A (Grammar) : Tenses, Subject-Verb Concord, Modals, Reported Speech, Articles & Determiners, Integrated Grammar Exercises Section B (Writing) : Letter Writing, Analytical Paragraph Writing Section C (Literature) : Figures of Speech. FIRST FLIGHT: A Letter To God, Dust Of Snow, Fire And Ice, Nelson Mandela : Long Walk To Freedom, A Tiger in the Zoo, Two Stories About Flying (Part 1 - His First Flight, Part - 2 Black Aeroplane), The Ball Poem, From the Diary Of Anne Frank. FOOTPRINTS WITHOUT FEET : A Triumph of Surgery, The Thief's Story, The Midnight Visitor, A Question of Trust, Footprints without Feet
Foundation Mental Ability	Verbal : Series, Coding & Decoding, Analogy, Classification , Number, Ranking & Time Sequence Test, Alphabet Test, Alpha Numeric Sequence Puzzle, Direction Sense Test, Logical Venn Diagrams Inserting The Missing Character, Mathematical Operations, Logical sequence of words, Blood Relation , Sitting Arrangement, Arithmetical Reasoning. Non Verbal : Series, Mirror and Water Images, Analytical Reasoning, Dot Situation, Spotting out the Embedded Figures, Analogy, Classification, Dice & Cubes, Paper folding and Paper Cutting, Completion of Incomplete Pattern, Figure Matrix, Figure Formation, Construction of Squares & Grouping of Identical Figures.

## TSET-A TARGET :: Science & Maths Olympiads

Advance Biology-1	Life Processes - Nutrition, Respiration, Transportation, Excretion, Control and Coordination, How do Organisms Reproduce ?, Heredity and Evolution, Our Environment, Management of Natural Resources.
Advance Biology-2	The Fundamental Unit of Life, Tissues, Improvement in Food Resources, Diversity in Living Organisms, Why do we fall ill?
Advance Physics-1	Light, Electricity and Chemical Effects of Current, Magnetic Effects of Electric Current, Heat.
Advance Physics-2	Motion, Force and Laws of Motion, Gravitation, Thrust and Pressure; Work and Energy, Sound
Advance Chemistry-1	Chemical Reactions & Equations, Acids, Bases and Salts, Metals and Non-metals, Carbon and Its Compounds, Periodic Classification of Elements.
Advance Chemistry-2	Matter in Our Surroundings, Is Matter Around us Pure, Atoms and Molecules, Structure of Atom.

Advance Mathematics-1	Linear Equations in Two Variables, Number System, Surds and Indices, Polynomials, Quadratic Equations, Arithmetic Progression, Co-ordinate Geometry, Trigonometry and Its Applications, Triangles, Circles and Tangent to the circles, Mensuration of Plane Figures, Mensuration of Solid Figures, Statistics, Probability, Lines and Angles, Quadrilaterals, Area of Parallelogram and Polygon.
Advance Mathematics-2	Every Day Mathematics: Percentage, Profit, Loss and Discount, Partnership, Mixtures and Alligations, Simple and Compound Interest, Ratio and Proportion, Time, Speed and Distance, Unitary Method, Time and Work, Pipes and Cisterns, Problems on Ages.
Advance Mental Ability-1	Verbal : Series, Coding & Decoding, Analogy, Classification , Number, Ranking & Time Sequence Test, Alphabet Test, Alpha Numeric Sequence Puzzle , Direction Sense Test, Logical Venn Diagram, Inserting The Missing Character, Mathematical Operations , Logical sequence of Words, Blood Relation , Puzzle Test, Calendar, Clock, Statement Conclusions, Data Sufficiency, Sequential Output Tracing, Arithmetical Reasoning.
Advance Mental Ability-2	Non Verbal : Series, Mirror-Images, Water-Images, Analytical Reasoning, Dot Situation, Spotting out the Embedded Figures, Analogy, Classification, Dice, Cubes, Paper folding and Paper Cutting, Completion of Incomplete Pattern, Figure Matrix, Figure Formation, Construction of Squares & Grouping of Identical Figures.

## TARGET : NMTC ROUND – 1

Mathematics	Algebra, Geometry, Number System, Inequalities
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## TSET-F2

Foundation Biology-2	How do Organisms Reproduce, Heredity, Our Environment
Foundation Physics-2	Electricity, Magnetic Effects of Electric Current
Foundation Chemistry-2	Carbon and Its Compounds
Foundation Mathematics-3	Quadratic Equations, Heights and Distances, Arithmetic Progressions, Probability
Foundation Mathematics-4	Circles, Co-ordinate Geometry, Areas Related to Circles, Surface Areas and Volumes
Foundation SST-2	History: The Making of a Global World, Print Culture and the Modern World.
Foundation English-2	Geography: Minerals and Energy Resources, Manufacturing Industries Civics: Political Parties, Outcomes of Democracy. Economics: Money and Credit, Globalisation and The Indian Economy. Section A (Grammar): Integrated Grammar Exercises Section B (Writing) : Letter Writing, Analytical Paragraph Writing Section C (Literature) : FIRST FLIGHT : How to Tell Wild Animals, Amanda, Glimpses of India (Part 1 - A Baker from Goa, Part 2 - Coorg, Part 3 - Tea From Assam), Mijbil the Otter, The Trees, Fog, Madam Rides the Bus, The Tale of Custard the Dragon, The Sermon at Benares, For Anne Gregory, The Proposal (Play) FOOTPRINTS WITHOUT FEET: The Making of a Scientist, The Necklace, Bholi, The Book That Saved the Earth

## TSET- \*TARGET : NMTC Final Round

Mathematics	Same Topics as in Round – 1
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\*Module will be dispatched to NMTC Round – 1 Qualified Students

Note : The Study Material Syllabus may Change in Special Cases.

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