

[For English Medium Students Only]

NSET-F1

Foundation Biology-1	Cell, Tissue, Why do we fall ill
Foundation Physics-1	Motion, Force and Laws of Motion, Gravitation
Foundation Chemistry-1	Is Matter Around us Pure, Atoms and Molecules
Foundation Mathematics-1	Number System, Polynomials, Lines and Angles
Foundation Mathematics-2	Triangles, Co-ordinate Geometry, Heron's Formula, Linear Equations in Two Variables
Foundation SST-1	History: The French Revolution, Socialism in Europe and The Russian Revolution. Geography: India Size And Location, Physical Features of India. Economics: The Story of Village Palampur. Civics: What is Democracy?, Why Democracy?, Constitutional Design.
Foundation English-1	Section A (Grammar): Tenses, Subject - Verb Concord, Modals, Connectors, Reported Speech, Articles & Determiners, Integrated Grammar Exercises. Section B (Writing): Article Writing, Diary Entry, Story Writing Section C (Literature): Figures of Speech, BEEHIVE: The Fun They Had, The Road Not Taken, The Sound Of Music, Wind, The Little Girl, Rain On The Roof, A Truly Beautiful Mind, A Legend Of Northland. MOMENTS: The Lost Child, The Adventures Of Toto, In The Kingdom Of Fools, The Happy Prince.

NSET-A TARGET :: Science / Maths / English Olympiads

Advance Biology	Cell - Unit of Life, Tissue, Diversity in Living Organisms, Diseases, Natural Resources, Improvement in Food Resources
Advance Physics	Motion, Force and NLM, Gravitation, Fluid Mechanics, Work, Energy, Power, Sound
Advance Chemistry	Matter around Us, Classification of Materials, Atoms and Molecules, Atomic Structure
Advance Mathematics-1	Number System, Surds and Indices, Polynomials (Factorisation), Polynomials (Remainder and Factor theorem), Linear Equations in two Variables, Lines and Angles, Triangles, Quadrilaterals, Circles, Mensuration, Co-ordinate Geometry, Statistics, Probability.
Advance Mathematics-2	Every Day Mathematics: Percentage, Profit, Loss and Discount, Partnership, Mixtures and Alligations, Simple and Compound Interest, Installment, Ratio and Proportion, Time, Speed and Distance, Unitary Method, Time and Work, Pipes and Cisterns, Problems on Ages.
Mental Ability	Verbal : Series, Logical Sequence of Words, Coding & Decoding, Analogy, Classification, Mathematical Operations, Direction Sense Test , Number, Ranking & Time Sequence Test, Blood relations, Puzzle Test, Alphabet Test, Alpha-numeric Sequence Puzzle, Logical Venn Diagrams, Inserting The Missing Characters, Arithmetical Reasoning, Statement & Conclusion. Non Verbal : Series, Analogy & Classification, Analytical Reasoning, Mirror and Water Images, Spotting Out The Embedded Figures, Completion of Incomplete Pattern, Figure Matrix, Figure Formation & Grouping of Identical Figures, Paper folding and Paper Cutting, Dice and Cube, Dot situation.

NSET-E1 TARGET:: IJSO Round 1 (NSEJS)

Excellent Biology-1	Animal Physiology, Plant Physiology, Reproduction in living Organisms, Heredity and Evolution, Our Environment, Management of Natural Resources
Excellent Biology-2	Cytology, Anatomy, Conservation of Biodiversity, Diversity In Living Organisms, Microorganisms, Health and Diseases, Immunology
Excellent Physics-1	Units and Dimensions, Error Analysis, Vectors, Kinematics in 1 & 2 Dimensions, Force & Newton's Laws of Motion, Dynamics of Circular Motion, Work, Energy And Power, Rotational Motion, Gravitation, Mechanical Properties of Solids, Fluid Mechanics, Simple Harmonic Motion
Excellent Physics-2	Heat and Thermodynamics, Waves and Sound, Electrostatics, Current Electricity, Magnetic Effects of Electric Current, Light, Nuclear Physics
Excellent Chemistry-1	General Concepts in Chemistry, Atomic Structure, States of Matter, Periodic Classification of Elements, Chemical Bonding
Excellent Chemistry-2	Ionic Equilibrium (Acids, Bases and Salts), Chemical Kinetics, Chemical Equilibrium, Thermodynamics, Metals, Nonmetals and Metallurgy, Carbon and its Compounds, Some Additional Topics
Excellent Mathematics-1	Number System, Surds, Ratio and Proportion, Quadratic Equation, Miscellaneous Equations, Sequences and Series, Logarithm
Excellent Mathematics-2	Binomial Theorem, Inequalities, Permutations and Combinations, Coordinate Geometry, Trigonometry, Geometry, Mensuration, Probability

TARGET:: NMTC ROUND-1

Excellent Mathematics-3	Algebra, Geometry, Number System, Inequalities
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NSET-F2

Foundation Biology-2	Natural Resources, Diversity in Living Organisms, Improvement in Food Resources
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Foundation Physics-2	Work and Energy, Thrust and Pressure, Sound
Foundation Chemistry-2	Structure of Atom, Matter in Our Surroundings
Foundation Mathematics-3	Quadrilaterals, Surface Areas & Volumes, Circles, Constructions
Foundation Mathematics-4	Statistics, Probability, Area of Parallelograms & Triangles, Introduction to Euclid's Geometry
Foundation SST-2	History: Nazism and the Rise of Hitler. Civics: Electoral Politics, Working of Institutions. Geography: Climate, Natural Vegetation and Wildlife. Economics: People as Resource, Poverty as a Challenge.
Foundation English-2	Section A (Grammar): Integrated Grammar Exercises. Section B (Writing): Article Writing, Diary Entry, Story Writing Literature : BEEHIVE: My Childhood, No Men Are Foreign, Packing, Reach For The Top , On Killing A Tree, The Bond Of Love, The Snake Trying, If I Were You. MOMENTS: Weathering The Storm In Ersama, The Last Leaf, A House Is Not A Home, The Beggar.

NSET-E2* TARGET:: NMTC Final Round

Excellent Mathematics-4 Same Topics as in Round-1

NSET-E3 TARGET:: IJSO Round 2 (INJSO)**

Excellent Biology-3 Same Topics as in Round-1

Excellent Physics-3 Same Topics as in Round-1

Excellent Chemistry-3 Same Topics as in Round-1

* Module will be dispatched to NMTC Round-1 Qualified Students.

** Module will be dispatched to students who have qualified for IJSO Round-2 (INJSO).