

[For English Medium Students Only]

## ESET-F1

Foundation Biology-1	Crop Production and Management, Microorganisms: Friend and Foe, Conservation of Plants and Animals
Foundation Physics-1	Force and Pressure, Friction, Sound
Foundation Chemistry-1	Synthetic Fibres and Plastics, Metals and Non-metals
Foundation Mathematics-1	Rational Numbers, Squares and Square Roots, Cubes and Cube Roots, Exponents and Powers
Foundation Mathematics-2	Linear Equations In One Variable, Understanding Quadrilaterals, Introduction to Graphs and Data Handling, Playing with Numbers.
Foundation SST-1	History : How, When and Where, From Trade to Territory, Ruling the Countryside, Tribals, Dikus and The Vision of a Golden Age, When People Rebel. Civics : The Indian Constitution, Understanding Secularism, Why do we need a Parliament?, Understanding Laws, Judiciary, Understanding our criminal justice system. Geography : Resources, Land, Soil, Water, Natural Vegetation and Wildlife Resources, Mineral and Power Resources.
Foundation English-1	Section A (Grammar) : Grammar recap, Nouns and Pronouns, Non-finite form of Verbs, Tenses, Reported Speech, Active and Passive Voice, Subject-Verb Agreement, Prepositions Section B (Vocabulary) : Synonyms and Antonyms, Phrasal Verbs. Section C (Writing) : Diary Entry, Notice Writing, Letter Writing, E-mail Writing. Section D (Verbal Ability) : Error Spotting

## ESET-A TARGET:: Science/Maths/English Olympiads

Advance Biology	Cell, Microorganisms, Conservation of Plants & Animals, Crop Production & Management, Adolescence & Reproduction.
Advance Physics	Force & Friction, Thrust & Pressure, Waves and Sound, Electricity, Chemical Effects of Current, Light, Universe
Advance Chemistry	General Chemistry, Man-made Materials, Metals and Non-metals, Fuels and Combustion, Pollution of Water and Air.
Advance Mathematics-1	Number System, Squares and Square roots, Cubes and Cube Roots, Exponents and Powers, Algebraic Expressions, Identities and Factorization, Linear Equations in One Variable, Lines and Angles, Triangles, Quadrilaterals, Mensuration, Visualising Solid Shapes, Data Handling.
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, Problem on Ages and Numbers.
Mental Ability	Verbal : Blood Relation, Coding & Decoding, Logical Venn Diagram, Inserting The Missing Character, Number, Ranking and Time Sequence Test, Alpha-Numeric Sequence Puzzle, Alphabet Test & Logical Sequence of words, Series, Analogy & Classification, Direction Sense Test, Mathematical Operations, Puzzle test, Arithmetical reasoning. Non Verbal : Series, Analytical Reasoning, Mirror and Water Images, Spotting Out the Embedded Figure, Figure Matrix, Figure Formation, Construction of Squares & Grouping of Identical Figures, Paper Folding & Paper Cutting, Dice and Cube, Dot Situation, Analogy & Classification, Completion of Incomplete Pattern.

## ESET-E1 TARGET:: Foundation IJSO (Junior Science Olympiad)

Excellent Biology	Food & Nutrition, Respiratory System, Transportation in Plants & Animals, Excretory System, Control and Coordination, Health & Diseases, Natural Resources.
Excellent Physics	Motion, Gravitation, Work, Energy, Power, Heat, Magnetic Effects of Current
Excellent Chemistry	Study of Acids, Bases and Salts, States of Matter, Separation Techniques, Structure of Atom, Hydrogen, Oxygen and Nitrogen, Periodic Table, Rates of Chemical Reactions, Practical Chemistry

## TARGET:: NMTC ROUND - 1

Excellent Mathematics - 1	Number Theory, Ratio & Percentage, Indices, Algebra, Geometry, Data Handling, Logical Reasoning
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## ESET-F2

Foundation Biology-2	Cell, Reproduction in Animals, Reaching the Age of Adolescence
Foundation Physics-2	Chemical Effects of Electric Current, Some Natural Phenomena, Light, Universe
Foundation Chemistry-2	Coal and Petroleum, Combustion and Flame, Pollution of Air and Water
Foundation Mathematics-3	Algebraic Expressions, Identities and Factorization, Practical Geometry, Visualizing Solid Shapes
Foundation Mathematics-4	Mensuration, Direct and Inverse Proportion, Comparing Quantities
Foundation SST-2	History : Weavers, Iron Smelters and Factory Owners, Civilising the `` Native "Educating the Nation, Women, Caste and Reform, The Making of the National Movement 1870s-1947, India after Independence. Civics : Understanding Marginalisation, Confronting Marginalisation, Public Facilities, Law and Social Justice. Geography: Agriculture, Industries, Human Resources.
Foundation English-2	Section A (Grammar) : Conjunctions, Sentences, Adverbs, Phrases and Clauses, Determiners, Modals. Section B (Vocabulary) : Best Word Vocabulary, Idioms & Phrases. Section C (Writing) : Message Writing, Story Writing, Article Writing, Speech Writing. Section D (Integrated Grammar Exercise) : Gap Filling

## ESET-E2\* TARGET:: NMTC Final Round

Excellent Mathematics -2	Same Topics as in Round - 1
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\*Module will be dispatched to NMTC Round-1 Qualified Students.