SYLLABUS *for* VIQ
Vidyamandir Intellect Quest

for **JEE, NEET** & **Foundation** Courses

(for new batches starting from April, 2026)

Note: Existing students cannot be re-enrolled / re-admitted through VIQ

JEE COURSES

1 Year Course — for Students presently in **Class 11th (JEE 2027)**

PHYSICS
Units and Measurements, Vectors, Kinematics of a Particle, Motion in Two Dimensions, Dynamics of a particle, Energy and Momentum

CHEMISTRY
Stoichiometry, Atomic Structure, Periodicity, Chemical Bonding, Thermochemistry and Thermodynamics

MATHEMATICS
Sets, Relations, Functions, Quadratic Equations, Trigonometry, Sequence and Series, Complex Numbers, Permutation and Combination, Binomial Theorem

PATTERN | **Physics:** 20 Questions | **Chemistry:** 20 Questions | **Mathematics:** 20 Questions

2 Year Course — for Students presently in **Class 10th (JEE 2028)**

MAT
Verbal and Non-Verbal Series, Logical Sequence of Words, Verbal and Non-Verbal Analogy, Coding and Decoding, Arithmetical Reasoning, Alphabet Test, Puzzle Test, Mirror Images, Analytical Reasoning, Blood Relation, Dice and Cube, Grouping of Identical Figures, Calendar, Logical Venn Diagrams, Clock, Verbal and Non-Verbal Classification, Paper Folding and Paper Cutting, Ranking and Time Sequence, Figure Matrix, Data Sufficiency

SCIENCE
Motion, Force & Laws of Motion, Gravitation, Work and Energy, Sound, Light-Reflection and Refraction, Human Eye and Colourful World, Matter in Our Surroundings, Is Matter Around Us Pure, Structure of Atom, Atoms and Molecules, Chemical Reactions and Equations, Acid Base and Salts

MATHEMATICS
Real Numbers, Rational Numbers, Number System, Profit and Loss, Percentage, Polynomials, Linear Equation in Two Variables, Lines and Angles, Triangles, Quadrilaterals, Parallelograms, Arithmetic Progressions, Quadratic Equations, Triangles, Circles, Heron's Formula, Surface Areas, Volumes, Statistics, Trigonometry (Basic), Probability

PATTERN | **MAT:** 5 Questions | **Science:** 10 Questions | **Mathematics:** 20 Questions | **Mathematics {Higher Level}:** 10 Questions

NEET COURSES

1 Year Course — for Students presently in **Class 11th (NEET 2027)**

PHYSICS
Physical World, Units and Measurements, Motion in a Straight Line, Motion in a Plane, Laws of Motion, Work, Energy and Power

CHEMISTRY
Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure,

Organic Chemistry: Some basic Principles and Techniques

BIOLOGY
The Living World, Biological Classification, Plant Kingdom, Animal Kingdom, Morphology of Flowering Plants, Structural Organization in Animals, Cell-The Unit of Life, Biomolecules.

PATTERN | **Physics:** 20 Questions | **Chemistry:** 20 Questions | **Biology:** 40 Questions

2 Year Course — for Students presently in **Class 10th (NEET 2028)**

PHYSICS
Reflection and Refraction, Human Eye and Colourful World

CHEMISTRY
Chemical Reactions and Equations, Acids, Bases and Salts

BIOLOGY
Life Processes, Control and Coordination

MAT
Verbal and Non-Verbal Series, Logical Sequence of Words, Verbal and Non-Verbal Analogy, Coding and Decoding, Arithmetical Reasoning, Alphabet Test, Puzzle Test, Mirror Images, Analytical Reasoning, Blood Relation, Dice and Cube, Grouping of Identical Figures, Calendar, Logical Venn Diagrams, Clock, Verbal and Non-Verbal Classification, Paper Folding and Paper Cutting, Ranking and Time Sequence, Figure Matrix, Data Sufficiency

PATTERN | **MAT:** 15 Questions | **Physics:** 25 Questions | **Chemistry:** 25 Questions | **Biology:** 25 Questions

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JEE / NEET COURSES

3 Year Course — for students presently in Class 9th

MAT

Verbal and Non-Verbal Series, Logical Sequence of Words, Verbal and Non-Verbal Analogy, Coding and Decoding, Arithmetical Reasoning, Alphabet Test, Puzzle Test, Mirror Images, Analytical Reasoning, Blood Relation, Dice and Cube, Grouping of Identical Figures, Calendar, Logical Venn Diagrams, Clock, Verbal and Non-Verbal Classification, Paper Folding and Paper Cutting, Ranking and Time Sequence, Figure Matrix, Data Sufficiency

MATHEMATICS

Rational Numbers, Linear Equation in One Variable, Quadrilaterals, Circles, Square and Square Roots, Cube and Cube Roots, Factorisation, Direct and Inverse Proportion, Comparing Quantities, Algebraic Expressions and Identities, Mensuration, Exponent and Powers, Number System, Polynomials, Linear Equation in Two Variables, Lines and Angles, Triangles, Profit and Loss, Percentage

SCIENCE

Motion, Force & Laws of Motion, Gravitation, Matter in our Surroundings, Is Matter Around Us Pure, Atoms and Molecules, Cells, Tissues

PATTERN **MAT:** 5 Questions | **Mathematics:** 20 Questions | **Mathematics {Higher Level):** 10 Questions | **Science:** 10 Questions

4 Year Course — for students presently in Class 8th

MAT

Verbal and Non-Verbal Series, Logical Sequence of Words, Verbal and Non-Verbal Analogy, Coding and Decoding, Arithmetical Reasoning, Alphabet Test, Puzzle Test, Mirror Images, Analytical Reasoning, Blood Relation, Dice and Cube, Grouping of Identical Figures, Calendar, Logical Venn Diagrams, Clock, Verbal and Non-Verbal Classification, Paper Folding and Paper Cutting, Ranking and Time Sequence, Figure Matrix, Data Sufficiency

MATHEMATICS

Integers, Fractions and Decimals, Simple Equations, Lines and Angles, Triangles, Congruence of Triangles, Comparing Quantities, Rational Numbers, Perimeter and Area, Algebraic Expressions, Exponents and Powers, Linear Equations in One Variable, Quadrilaterals, Square and Square Roots, Cube and Cube Roots, Factorization, Profit and loss, Percentage

SCIENCE

Crop Production and Management, Micro Organisms, Conservation of Plants and Animals, Combustion and Flame, Force and Pressure, Friction, Sound, Chemical Effects of Current, Coal & Petroleum

PATTERN **MAT:** 5 Questions | **Mathematics:** 20 Questions | **Mathematics {Higher Level):** 10 Questions | **Science:** 10 Questions

FOUNDATION COURSES

Course — for students presently in Class 7th

MAT

Verbal and Non-Verbal Series, Logical Sequence of Words, Verbal and Non-Verbal Analogy, Coding and Decoding, Arithmetical Reasoning, Alphabet Test, Puzzle Test, Mirror Images, Analytical Reasoning, Blood Relation, Dice and Cube, Group of Identical Figures, Calendar, Logical Venn Diagrams, Clock, Verbal and Non-Verbal Classification, Paper Folding and Paper Cutting, Ranking and Time Sequence, Figure Matrix, Data Sufficiency

MATHEMATICS

Large Numbers Around Us, Arithmetic Expressions, Expressions Using Letters Numbers, Parallel and Intersecting Lines, Number Play, A Tale of 3 Intersecting Lines, Working with Fractions

SCIENCE

Nutrition in Plants, Nutrition in Animals, Respiration in Plants and Animals (Life Processes in Plants and Animals), Acids Bases and Salts (Exploring Substances - Acidic, Basic and Neutral), Heat Transfer in Nature, Physical and Chemical Changes, Electric Current - Components and Effects, Motion and Time, Light

PATTERN **MAT:** 5 Questions | **Mathematics:** 30 Questions | **Science:** 15 Questions

Course — for students presently in Class 6th

MAT

Verbal and Non-Verbal Series, Logical Sequence of Words, Verbal and Non-Verbal Analogy, Coding and Decoding, Mirror Image and Water Image, Blood Relation, Paper Cutting and Folding, Verbal and Non-Verbal Classification, Figure Completion

MATHEMATICS

Patterns in Mathematics, Number Play, Integers, Fractions, Data Handling Techniques, Lines and Angles, Perimeter and Area, Symmetry

SCIENCE

Mindful eating a path to a healthy body, Living Creatures-Exploring their Characteristics, Exploring Magnets, Measurement of Length and Motion, Temperature and It's Measurement, Materials Around Us

PATTERN **MAT:** 5 Questions | **Mathematics:** 30 Questions | **Science:** 15 Questions

Course — for students presently in Class 5th

MAT

Verbal and Non-Verbal Series, Logical Sequence of Words, Verbal and Non- Verbal Analogy, Coding and Decoding, Mirror Image and Water Image, Blood Relation, Paper Cutting and Folding, Verbal and Non-Verbal Classification, Figure Completion

MATHEMATICS

Numbers and their Understanding, Fractions, Decimals, Estimation of Sum and Difference, Data Handling Techniques, Shapes and Their Understanding, Basic Mensuration

SCIENCE

The Skeletal System, Force and Energy, States of Matter (Solid Liquid and Gaseous), Deficiency and Communicable Diseases, Food and its Components, Living Organisms characteristics and Habitats, From Tasting to Digesting, Renewable and Non-Renewable Resources, Natural Disasters

PATTERN **MAT:** 5 Questions | **Mathematics:** 30 Questions | **Science:** 15 Questions