

## WHIZ SEARCH SYLLABUS 2024

S.NO.	CLASS	STEAM	PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS	MENTAL ABILITY
1	8TH	FOUNDATION	Motion, Force & Energy	Water & Air, Carbon & its Compounds, Metal and Non-Metal, Atomic Structure	Conservation of Plants and Animals, Cell - Structure and Functions, Reproduction in Animals, Pollution of Air and Water	Mensuration, Profit & Loss Geometry, Square & Square Roots, Commercial Mathematics, Number System, Percentage, Ratios, Factorization; Linear Equations in Two Variables, Understanding Quadrilateral, Practical Geometry, Data Handling, Cubes & Cubes Roots, Composing Quantities, Algebraic Expression and Identities, Exponents & Powers, Direct & Inverse Proportion	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.
2	9TH	FOUNDATION	Motion, Laws of Motion, Gravitation & Pressure, Sound	Is Matter Around Us Pure, Matter in Our Surroundings, Atoms and Molecules, Structure of Atom	The Cell, Tissues	Number Systems, Triangles, Lines & Angles, Coordinate Geometry, Indices, Factorization, Heron's Formula, Statistics, Linear Equation in Two Variables, Mensuration, Circle, Quadrilaterals	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.
3	10TH	ENGINEERING	Optics : Reflection & refraction (Including Human Eye), Sound, Electricity, Magnetism	Acid, Base and Salt, Chemical Reaction and Equation, Metal & Non-Metal, Carbon & its Compounds	Not Applicable	Polynomials, Indices, Arithmetic Progression, Triangles, Menurations, Area Related to Circles, Probability, Trigonometry, Application of Trigonometry, Real Numbers, Ration & Proportion, Quadratic Equations, Coordinate Circle, Statistics	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.
4	10TH	MEDICAL	Optics : Reflection & refraction (Including Human Eye), Sound, Electricity, Magnetism	Acid, Base and Salt, Chemical Reaction and Equation, Metal & Non-Metal, Carbon & its Compounds	Photosynthesis, Genetics, Circulatory System, Nervous System, Reproductive System	Not Applicable	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.
5	11TH	ENGINEERING	Unit & Dimensions, Error, Kinematics, Laws of Motion, Circular Motion, Work, Power & Energy, Centre of Mass, Heat Oscillation & Wave, Rotational Motion, Gravitation	Some Basic Concept of Chemistry, Periodic Table, Chemical Bonding, Atomic Structure, Redox Reaction, Chemical & Ionic Equation, Isomerism & IUPAC, Thermodynamics	Not Applicable	Sets, Relation and Functions, Complex Numbers, Sequence & Series, Straight Lines, Limits, Trigonometry, Quadratic Equation, Circle, Linear Inequalities, Permutations and Combinations, Conic Sections, Introduction to 3D Geometry, Derivatives, Probability	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.
6	11TH	MEDICAL	Unit & Dimensions, Error, Kinematics, Laws of Motion, Circular Motion, Work, Power & Energy, Centre of Mass, Heat Oscillation & Wave, Rotational Motion, Gravitation	Some Basic Concept of Chemistry, Periodic Table, Chemical Bonding, Atomic Structure, Redox Reaction, Chemical & Ionic Equation, Isomerism & IUPAC, Thermodynamics	Photosynthesis, The Cell, Body Fluid & Circulation, Neural Control & Coordination, Plant Kingdom, Cell Cycle & Cell Division	Not Applicable	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.
7	12TH	ENGINEERING	Electrostatics, Current Electricity, Magnetic Field, Electromagnetic Induction & Alternating Current, Geometrical Optics, Wave Optics, Modern Physics, Capacitor	Alkyl Halide, Alcohol, Ether and Phenol, Solution, Electrochemistry, Aldehyde & Ketone, Amines, Chemical Kinetics, d and f Block Element, Biomolecules, Coordination Compounds	Not Applicable	Relations and Functions, Inverse Trigonometric Functions, Matrices, Determinants, Continuity and Differentiability, Application of Derivatives, Integrals, Application of Integrals, Differential Equations, Vector Algebra, 3D Geometry, Linear Programming, Probability	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.
8	12TH	MEDICAL	Electrostatics, Current Electricity, Magnetic Field, Electromagnetic Induction & Alternating Current, Geometrical Optics, Wave Optics, Modern Physics, Capacitor	Alkyl Halide, Alcohol, Ether and Phenol, Solution, Electrochemistry, Aldehyde & Ketone, Amines, Chemical Kinetics, d and f Block Element, Biomolecules, Coordination Compounds	Sexual Reproduction in Flowering Plants, Human Reproduction, Principles of Inheritance and Variation, Molecular Basis of Inheritance, Human Health & Disease	Not Applicable	Direction Sense Test, Seating Arrangement, Blood Relation, Classification, Coding-Decoding, Mathematics Operations, Alphabet Test and Number Ranking, Puzzle Test, Calendar, Mirror and Water Images, Dot Situation, Figure Partition, Non - Verbal Series, Non Verbal Analogy, Dices, Letter & Number Series, Venn-diagram, Clock.