

# KALRASHUKLA WHIZ SEARCH 2021 TEST SYLLABUS

	CLASS	PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS	MENTAL ABILITY
	VIII	Motion, Force, Energy & Light	Water & Air, Carbon & its compounds, Metal and Non-metal, Atomic Structure	Fundamental unit of life, Crop improvement, Micro-organism & Disease, Environmental Pollution, Plant & Animal Conservation	Mensuration, Profit & Loss, Geometry, Statistics, Square & Square Roots, Commercial Mathematics, Number System, Polynomial Equation, Percentage, Construction, Ratios & Triangles	Clock Test Series Completion, Cubes, 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
	IX	Motion, Laws of Motion, Sound, Reflection, Gravitation & Pressure	State of matter, Is matter around us pure, Atomic Structure, Language of Chemistry, Physical & Chemical Change, Water & Hydrogen	Fundamental unit of life, Tissue (Plant & Animal), Diversity in living organism, Natural Resources, Animal Husbandry	Number system, Triangles, Mensuration, Lines & Angles, Co-ordinate Geometry, Indices, Factorization, Polynomials, Circles, Construction and Area of triangles	Clock Test Series Completion, Cubes, 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
ENGINEERING	X	Electricity, Magnetic Effect and electric current, Ray Optics, Sources of Energy, Sound, Light Refraction and Reflection, Human Eye and colourful world	Acid Base and Salt, Chemical Bonding, Chemical Reaction and equation, Metal & Non-Metal	-	Polynomial, Indices, Arithmetic Progression, Triangles, Mensuration, Area related to circles, Probability, Trigonometry, Application of Trigonometry, Real Numbers, Ratio & Proportion, Statistics	Clock Test Series Completion, Cubes, 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
	XI	Unit Dimension & Errors, Kinematics, Laws of motion, Circular Motion, Work, Power & Energy, Centre of Mass, Rotational Mechanics, Simple Harmonic Motion, Waves & Sound, Gravitation, Fluid Mechanics, Heat & Thermodynamics	Some Basic Concept of Chemistry, Periodic table, Chemical Bonding, Atomic Structure, Gaseous state, Thermodynamics, Ionic & Chemical Equilibrium, Redox, Nomenclature & Isomerism, GOC, S-Block (Ist & IInd Group), P-Block (IIIrd & IVth Group), Hydrocarbon (Alkane, Alkene, Alkyne, Benzene)	-	Sequence & Series, Binomial Theorem, Permutation & Combination, Probability, Point & Straight Line, Circle, Parabola, Ellipse, Hyperbola, Complex Number, Trigonometric Ratios & Identities, Limits & Function	Clock Test Series Completion, Cubes, 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 & Combinatorics
	XII	Electrostatics, Current Electricity, Magnetic Field, Electromagnetic Induction and AC, Geometrical Optics, Wave Optics, Modern Physics, Semi Conductor and Communication	Alkyl Halide, Alcohol, Ether and Phenol, Aldehyde and Ketone, Carboxylic acid and derivatives, Amines, Bio-molecules and Polymer, Chemistry in everyday life, Solid State, Solution, ElectroChemistry, Chemical Kinetics, Ore and Metallurgy, Surface Chemistry, P-Block (15, 16, 17, 18), D-Block & F-Block, Coordination Compound	-	Matrices & Determinants, Inverse Trigonometric Function, Limits, Continuity & Differentiability, Application of derivation, Maxima & Minima, Indefinite Integrals, Definite Integrals, Area under curve, Differential Equation, Vector 3-D, Geometry, Probability and Function	Clock Test Series Completion, Cubes, 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 & Combinatorics
MEDICAL	X	Electricity, Magnetic Effect and electric current, Sources of Energy, Light Refraction and Reflection, Human Eye and colourful world	Acid Base and Salt, Chemical Bonding, Periodic Table, Chemical Reaction and equation, Metal & Non-Metal, Nomenclature & Hydrocarbon (Alkane, Alkaline, Alkene, Alkyne)	Nutrition and Digestion, Respiration, Circulation, Excretion, Photo Synthesis, Transpiration and water absorption, Cell Division	-	Clock Test Series Completion, Cubes, 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 & Combinatorics
	XI	Unit Dimension & Errors, Kinematics, Laws of motion, Circular Motion, Work, Power & Energy, Centre of Mass, Rotational Mechanics, Simple Harmonic Motion	Some Basic Concept of Chemistry, Periodic table, Chemical Bonding, Atomic Structure, Gaseous state, Thermodynamics, Ionic & Chemical Equilibrium, Redox, Nomenclature & Isomerism, GOC, S-Block (Ist & IInd Group), P-Block (IIIrd & IVth Group), Hydrocarbon (Alkane, Alkene, Alkyne, Benzene)	The Living World, Biological classification, Morphology of flowering plants, Anatomy of flowering plants, Plant Tissue, Cell & Cell division, Bio-molecules, Plant Physiology, Animal Kingdom, Animal Physiology	-	Clock Test Series Completion, Cubes, 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 & Combinatorics
	XII	Electrostatics, Current Electricity, Magnetic Field, Electromagnetic Induction and AC, Geometrical Optics, Wave Optics, Modern Physics, Semi Conductor and Communication	Alkyl Halide, Alcohol, Ether and Phenol, Aldehyde and Ketone, Carboxylic acid and derivatives, Amines, Bio-molecules and Polymer, Chemistry in everyday life, Solid State, Solution, ElectroChemistry, Chemical Kinetics, Ore and Metallurgy, Surface Chemistry, P-Block (15, 16, 17, 18), D-Block & F-Block, Coordination Compound	Animal Reproduction, Vegetative Reproduction in plants, Sexual reproduction in flowering plants, Genetics, Bio-technology, STD (Sexually Transmitted Diseases)	-	Clock Test Series Completion, Cubes, 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 & Combinatorics