INDIAN SCHOOL SOHAR



ADMISSION TEST SYLLABUS (2024-25)

CLASS VIII

(This admission test is based on the following general topics of Class VII level)

<u>ENGLISH</u>

- **Reading Skills** Reading Comprehension
- Writing Skills Informal letter, Paragraph Writing
- Grammar Voice: Active and passive, Tense: Present, past and future, Reordering the jumbled words and phrases

<u>HINDI</u>

(Reading, Writing & Grammar)

* वाक्य शुदधि	* विलोम शब्द	* कारक के भेद	* मुहावरे	* अन्च्छेद लेखन
२२ * पर्यायवाची शब्द	* अनेकार्थक शब्द	* उपसर्ग - प्रत्यय	ः * क्रिया ₋विशेषण	* अपठित गद्यांश

MATHEMATICS

≻	Integers (Addition, subtraction,	⋟	Triangle and its Properties (Medians,
	multiplication and division of integers,		altitudes, property of exterior angles,
	Properties of addition, subtraction,		angle sum property, equilateral, isosceles
	multiplication and division of integers).		and right angled triangles, property of
\succ	Fractions and Decimals (Addition,		sum of two sides of a triangle,
	subtraction, multiplication and division of		Pythagoras's property)
	fractions, comparison of fractions,	≻	Congruence of triangles (SSS, SAS, ASA,
	addition, subtraction, multiplication and		RHS congruence criteria)
	division of decimals, comparison of	≻	Ratios and percentages (Fractions and
	decimals.)		decimals to percentage, percentages to
≻	Data handling (Arithmetic mean, mode,		fractions and decimals, Increase or
	median and range of data).		decrease percentages, prices in buying
≻	Simple equations (Solving simple		and selling, simple interest)
	equations, solving word problems)	\triangleright	Rational Numbers (Standard Form, four
\succ	Lines and Angles (Complementary angles,		Operations, finding rational numbers
	supplementary angles, adjacent angles,		between two given rational numbers)
	linear pair, vertically opposite angles,	\blacktriangleright	Area and Perimeter (Square, rectangle,
	transversal, properties of angles formed		Triangle, parallelogram, circles, area
	by a transversal on parallel Lines)		between two rectangles and between
\triangleright	Algebraic Expressions (To frame algebraic		two Concentric Circles)
	expressions, addition and subtraction, to	\blacktriangleright	Practical geometry (SSS, SAS, ASA, RHS
	find the value of an algebraic expression)		construction of triangles.
		\blacktriangleright	Exponents and powers (Laws of
			exponents- cases of positive exponents
			only)

SCIENCE

\triangleright	Nutrition in Plants and Animals	\checkmark	Physical and chemical changes,
	(Nutrition and its Types, Autotrophic		Displacement reaction, Galvanization
	and Heterotrophic Nutrition,		and Crystallisation.
	Saprotrophs, Replenishing Nutrients in	\succ	Transport of Materials in Plants and
	the Soil)		Animals and Excretion in Animals
\succ	Heat and its Effects (Effects of Heat,	\succ	Light (Rectilinear Propagation of Light,
	Expansion in Solids, Liquids and Gases,		Reflection of Light, Real and Virtual
	Temperature and its Measurement)		Images, Plane mirror& Spherical
\succ	Respiration (Respiration in Plants and		Mirrors)
	Animals, Respiratory System in Humans,	\succ	Reproduction in Plants (Sexual and
	Types of Respiration)		Asexual Reproduction in Plants,
\triangleright	Acids, Bases and Salts (Properties,		Vegetative Reproduction)
	Preparation and Uses)	\succ	Electric Current (Electric Current and
			Circuits, Heating effect of electric
			current)

Important Points:

- 1. Each subject will carry 25 Marks.
- 2. Duration of each subject will be 30 mins.