



**INDIAN SCHOOL SOHAR**  
**ADMISSION TEST SYLLABUS (2023-24)**

**CLASS VIII**

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

**ENGLISH**

- **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

**HINDI**

(Reading, Writing & Grammar)

* वाक्य शुद्धि * पर्यायवाची शब्द	* विलोम शब्द * अनेकार्थक शब्द	* कारक के भेद * उपसर्ग - प्रत्यय	* मुहावरे * क्रिया -विशेषण	* अनुच्छेद लेखन * अपठित गद्यांश
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**MATHEMATICS**

<ul style="list-style-type: none"><li>➤ Integers (Addition, subtraction, multiplication and division of integers, Properties of addition, subtraction, multiplication and division of integers).</li><li>➤ Fractions and Decimals (Addition, subtraction, multiplication and division of fractions, comparison of fractions, addition, subtraction, multiplication and division of decimals, comparison of decimals.)</li><li>➤ Data handling (Arithmetic mean, mode, median and range of data).</li><li>➤ Simple equations (Solving simple equations, solving word problems)</li><li>➤ Lines and Angles (Complementary angles, supplementary angles, adjacent angles, linear pair, vertically opposite angles, transversal, properties of angles formed by a transversal on parallel Lines)</li><li>➤ Algebraic Expressions (To frame algebraic expressions, addition and subtraction, to find the value of an algebraic expression)</li></ul>	<ul style="list-style-type: none"><li>➤ Triangle and its Properties (Medians, altitudes, property of exterior angles, angle sum property, equilateral, isosceles and right angled triangles, property of sum of two sides of a triangle, Pythagoras's property)</li><li>➤ Congruence of triangles (SSS, SAS, ASA, RHS congruence criteria)</li><li>➤ Ratios and percentages (Fractions and decimals to percentage, percentages to fractions and decimals, Increase or decrease percentages, prices in buying and selling, simple interest)</li><li>➤ Rational Numbers (Standard Form, four Operations, finding rational numbers between two given rational numbers)</li><li>➤ Area and Perimeter (Square, rectangle, Triangle, parallelogram, circles, area between two rectangles and between two Concentric Circles)</li><li>➤ Practical geometry (SSS, SAS, ASA, RHS construction of triangles.</li><li>➤ Exponents and powers (Laws of exponents- cases of positive exponents only)</li></ul>
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## **SCIENCE**

<ul style="list-style-type: none"><li>➤ Nutrition in Plants and Animals (Nutrition and its Types, Autotrophic and Heterotrophic Nutrition, Saprotrophs, Replenishing Nutrients in the Soil)</li><li>➤ Heat and its Effects (Effects of Heat, Expansion in Solids, Liquids and Gases, Temperature and its Measurement)</li><li>➤ Respiration (Respiration in Plants and Animals, Respiratory System in Humans, Types of Respiration)</li><li>➤ Acids, Bases and Salts (Properties, Preparation and Uses)</li></ul>	<ul style="list-style-type: none"><li>➤ Physical and chemical changes, Displacement reaction, Galvanization and Crystallisation.</li><li>➤ Transport of Materials in Plants and Animals and Excretion in Animals</li><li>➤ Light (Rectilinear Propagation of Light, Reflection of Light, Real and Virtual Images, Plane mirror &amp; Spherical Mirrors)</li><li>➤ Reproduction in Plants (Sexual and Asexual Reproduction in Plants, Vegetative Reproduction)</li><li>➤ Electric Current (Electric Current and Circuits, Heating effect of electric current)</li></ul>
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### **Important Points:**

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

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