



INDIAN SCHOOL SOHAR
ADMISSION TEST SYLLABUS: 2019-20
CLASS VIII

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

ENGLISH

- **Reading** – Comprehension (Questions based on the given passage)
- **Writing** – Letter (Formal, Informal), Paragraph writing
- **General Grammar**

MATHEMATICS

- Numbers (Four Operations, Properties of Operations of Integers)
- Fractions (Multiplication, Reciprocal, Division)
- Lines and Angles (Pairs of Angles, Transversal, Angles formed by a Transversal, Parallel Lines cut by a Transversal)
- Algebraic Expressions (Generating Expressions, Add, Subtract, Evaluate)
- Simple Linear Equations (Solving Linear Equations, Framing Equations and Solving)
- Properties of Triangles
- Ratio and Proportion (Direct)
- Probability
- Rational Numbers (Standard Form, Four Operations, Finding Rational Numbers between two given Rationals)
- Area and Perimeter (Square, Rectangle, Triangle, Parallelogram, Circles, Area between two Rectangles and between two Concentric Circles)
- Percentage and its Applications (Finding Percentage, Converting Fractions to Percentage, Percentage to Decimals, Fractions, Expressing as Percentage, Finding the Whole using the given Percentage, Increase or Decrease Percent)

SCIENCE

- Nutrition in Plants and Animals (Nutrition and its Types, Autotrophic and Heterotrophic Nutrition, Saprotrophs, Replenishing Nutrients in the Soil)
- Structure of Matter (Elements, Compounds, Mixtures, Symbols, Formulae and Chemical Equations)
- Heat and its Effects (Effects of Heat, Expansion in Solids, Liquids and Gases, Temperature and its Measurement)
- Respiration (Respiration in Plants and Animals, Respiratory System in Humans, Types of Respiration)
- Acids, Bases and Salts (Properties, Preparation and Uses)
- Transport of Materials in Plants and Animals and Excretion in Animals
- Light (Rectilinear Propagation of Light, Reflection of Light, Real and Virtual Images, Spherical Mirrors)
- Reproduction in Plants (Sexual and Asexual Reproduction in Plants, Vegetative Reproduction)
- Electric Current (Electric Current and Circuits)

HINDI (Reading, Writing & Grammar)

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| *वर्तनी शुद्धि | * क्रिया के भेद (सकर्मक ,अकर्मक) |
| *वाक्य शुद्धि | * मुहावरे से वाक्य प्रयोग |
| * कारक - भेद | * अपठित गद्यांश |
| * विलोम शब्द | *विशेषण के भेद |
| * समास (तत्पुरुष समास, द्विगु समास) | * उपसर्ग - प्रत्यय |
| * अनेकार्थी शब्द | * पर्यायवाची शब्द |
| * अनुच्छेद लेखन | |

Important Points:

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