

## ASIAN INTERNATIONAL SCHOOL

EDUCATION FOR LIFE

### ADMISSION TEST SYLLABUS OF SESSION 2020-21

CLASS	ENGLISH (25 MARKS)	MATHEMATICS (25 MARKS)
I	<ul style="list-style-type: none"><li>• Three letter words</li><li>• Concept of A/An</li><li>• Concept of This/ That</li><li>• Concept of These/ Those</li><li>• Rhyming words</li></ul>	<ul style="list-style-type: none"><li>• Number Names (1-10)</li><li>• Concept of before and after(1-20)</li><li>• Missing Numbers</li><li>• Addition and Subtraction(pictorial)</li></ul>
II	<ul style="list-style-type: none"><li>• Naming Words</li><li>• Opposites</li><li>• Action words</li><li>• Simple sentences</li><li>• Comprehension</li></ul>	<ul style="list-style-type: none"><li>• Number 1-50 (After-before)</li><li>• Number names (Greater – Lesser, Ascending order)</li><li>• Simple Addition and subtraction</li><li>• Tables 2-6</li></ul>
III	<ul style="list-style-type: none"><li>• Nouns (Naming words)</li><li>• Articles</li><li>• Punctuations</li><li>• Verbs</li><li>• Make sentences</li></ul>	<ul style="list-style-type: none"><li>• Addition</li><li>• Subtraction</li><li>• Number names (1-100)</li><li>• Division</li><li>• Before and After numbers</li><li>• Ascending and Descending</li><li>• Word Problems</li></ul>
IV	<ul style="list-style-type: none"><li>• Paragraph writing</li><li>• Unseen Comprehension</li><li>• Nouns</li><li>• Make Sentences</li><li>• Verb</li><li>• Adjectives</li></ul>	<ul style="list-style-type: none"><li>• 4 digit numbers</li><li>• Addition</li><li>• Subtraction</li><li>• Multiplication</li><li>• Division</li><li>• Word Problems</li></ul>

## ADMISSION TEST SYLLABUS SESSION 2020-21

CLASS	ENGLISH	MATHEMATICS
V	<ul style="list-style-type: none"> <li>• Unseen comprehension</li> <li>• Letter (Informal)</li> <li>• Simple tenses</li> <li>• Kinds of adjectives</li> <li>• Formation of Interrogative sentences</li> </ul>	<ul style="list-style-type: none"> <li>• Addition</li> <li>• Subtraction</li> <li>• Multiplication</li> <li>• Division</li> <li>• Problem sums</li> <li>• LCM &amp; HCF</li> <li>• Unitary Method</li> </ul>
VI	<ul style="list-style-type: none"> <li>• Unseen Comprehension</li> <li>• Letter – informal</li> <li>• Uses of tenses ( past, present &amp; future)</li> <li>• Kinds of adjectives</li> <li>• Prepositions</li> <li>• Paragraph writing</li> </ul>	<ul style="list-style-type: none"> <li>• Face value of unit, tens, hundreds &amp; thousands</li> <li>• Algebraic expressions</li> <li>• Percentages</li> <li>• Profit and loss</li> <li>• LCM &amp; HCF</li> <li>• Simplification of fractions</li> </ul>
VII	<ul style="list-style-type: none"> <li>• Unseen Comprehension</li> <li>• Letter writing ( formal &amp; informal)</li> <li>• Kinds of adjectives</li> <li>• Kinds of adverbs</li> <li>• Tenses</li> <li>• Conjunctions</li> <li>• Preposition</li> <li>• Direct &amp; Indirect Speech</li> <li>• Short composition</li> </ul>	<ul style="list-style-type: none"> <li>• Geometric Construction</li> <li>• Arithmetic- Profit and loss</li> <li>• Fractions</li> <li>• Decimals</li> <li>• Ratio and Proportion</li> <li>• Percentage</li> <li>• Basic concept of Algebra</li> <li>• Mebsuration</li> </ul>

## ADMISSION TEST SYLLABUS SESSION 2020-21

CLASS	ENGLISH	MATHEMATICS
VIII	<ul style="list-style-type: none"> <li>• Unseen comprehension</li> <li>• Letter writing ( Formal &amp; Informal)</li> <li>• Application of Tenses</li> <li>• Subject verb agreement</li> <li>• Conjunctions</li> <li>• Active &amp; passive voice</li> <li>• Direct &amp; Indirect speech</li> <li>• Composition</li> </ul>	<ol style="list-style-type: none"> <li>1. <b><u>Arithmetic</u></b> <ul style="list-style-type: none"> <li>• Profit &amp; loss</li> <li>• Integer</li> <li>• Fractions &amp; Decimals</li> <li>• Rational Numbers</li> <li>• Unitary Method</li> <li>• Percentage</li> </ul> </li> <li>2. <b><u>Algebra</u></b> <ul style="list-style-type: none"> <li>• Algebraic Expressions</li> <li>• Exponents &amp; Powers</li> <li>• Geometric Angles</li> </ul> </li> </ol>
IX	<ul style="list-style-type: none"> <li>• Unseen comprehension</li> <li>• Letter writing ( Formal &amp; Informal)</li> <li>• Direct &amp; Indirect speech</li> <li>• Subject verb agreement</li> <li>• Tenses</li> <li>• Prepositions</li> <li>• Conjunctions</li> <li>• Active &amp; Passive voice</li> <li>• Story writing</li> </ul>	<ol style="list-style-type: none"> <li>1. <b><u>Arithmetic</u></b> <ul style="list-style-type: none"> <li>• Rational numbers</li> <li>• Percentage</li> <li>• Profit &amp; Loss</li> <li>• Unitary method</li> </ul> </li> <li>2. <b><u>Algebra</u></b> <ul style="list-style-type: none"> <li>• Algebraic expressions</li> <li>• Simple equations</li> <li>• Factorisation</li> <li>• Simultaneous equations</li> <li>• Simplification</li> </ul> </li> <li>3. <b><u>Geometry</u></b> <ul style="list-style-type: none"> <li>• Triangles</li> <li>• Parallel lines</li> <li>• Quadrilaterals</li> <li>• Mensuration- area &amp; perimeter</li> </ul> </li> </ol>

**ADMISSION TEST SYLLABUS OF SESSION 2020-21**

**FOR CLASS XI**

SUBJECT	TOPIC	SUBTOPICS
<b>ENGLISH</b>	1.UNSEEN	<ul style="list-style-type: none"><li>• COMPREHENSION / POEM</li><li>• PASSAGE-PROSE/ POEM</li></ul>
	2.GRAMMAR	<ul style="list-style-type: none"><li>• FUNCTIONAL GRAMMAR</li><li>• STRUCTURAL USAGE OF ENGLISH</li></ul>
	3.CREATIVE WRITING/ COMPOSITION	<ul style="list-style-type: none"><li>• NARRATION</li><li>• DESCRIPTIVE</li><li>• IMAGINATIVE</li><li>• ARGUMENTATIVE</li></ul>
<b>MATHS</b>	1.QUADRATIC EQUATIONS	<ul style="list-style-type: none"><li>• SUMS AND PROBLEMS</li></ul>
	2.TRIGONOMETRY	<ul style="list-style-type: none"><li>• COMPLIMENTARY ANGLES</li><li>• IDENTITIES</li><li>• HEIGHTS AND DISTANCES</li></ul>
	3.STATISTICS	<ul style="list-style-type: none"><li>• MEAN</li><li>• MEDIAN</li><li>• MODE</li><li>• CUMMULITIVE FREQUENCY GRAPH</li></ul>
	4.MENSURATION	SURFACE AREA AND VOLUME OF <ul style="list-style-type: none"><li>• CIRCLES</li><li>• CUBES</li><li>• CUBOIDS</li><li>• SPHERE</li><li>• CONE</li><li>• CYLINDER</li></ul>
	5.ALGEBRA	ARITHMETIC PROGRESSION

	<p>1.LIGHT</p>	<ul style="list-style-type: none"> <li>• REFLECTION THROUGH PLAIN MIRROR</li> <li>• REFLECTION THROUGH SPHERICAL MIRROR</li> <li>• REFRACTION THROUGH GLASS SLAB</li> <li>• REFRACTION THROUGH PRISM</li> <li>• REFRACTION THROUGH PRISM</li> <li>• REFRACTION THROUGH LENS</li> <li>• RAY DIAGRAM</li> </ul>
<p><b>PHYSICS</b></p>	<p>2.LIGHT – NATURAL PHENOMENA</p>	<ul style="list-style-type: none"> <li>• DISPERSION</li> <li>• SCATTERING</li> <li>• RAINBOW</li> <li>• EARLY SUNRISE/ DELAYED SUNSET</li> </ul>
	<p>3.ENERGY SOURCES</p>	<ul style="list-style-type: none"> <li>• TYPES OF ENERGY</li> <li>• ADVANTAGE/DISADVANTAGES</li> <li>• GENERATION OF ELECTRICITY</li> </ul>
	<p>4.ELECTRICITY</p>	<ul style="list-style-type: none"> <li>• OHMS LAW</li> <li>• JOULES LAW OF HEATING</li> <li>• POWER</li> <li>• COMBINATION OF RESISTORS</li> <li>• HOUSEHOLD CONNECTION</li> </ul>
	<p>5.MAGNET EFFECT OF CURRENT</p>	<ul style="list-style-type: none"> <li>• OERSTED EXPERIMENT</li> <li>• FLEMMING RULES</li> <li>• SOLENOID</li> <li>• ELECTROMAGNET</li> <li>• AC GENERATOR</li> <li>• DC MOTOR</li> </ul>

**CHEMISTRY**

1.ATOMS & MOLECULES

- FUNDAMENTAL ATOMIC PARTICLES
- ELECTRONIC CONFIGURATION OF ATOMS
- VALENCY
- MOLE CONCEPT

2.PERIODIC CLASSIFICATION OF ELEMENTS

- PERIODIC PROPERTIES AND THEIR VARIATION IN GROUPS AND PERIODS
- MENDELEEV'S PERIODIC TABLE
- MODERN PERIODIC TABLE
- METALLIC AND NON-METALLIC PROPERTIES

3.ACID,BASE & SALTS

- GENERAL PROPERTIES OF ACIDS, BASES AND SALTA INDICATORS
- IMPORTANCE OF pH
- FORMULA AND USES OF SOME ACIDS, BASES AND SALTS.

4.METALLURGY

- CHEMICAL PROPERTIES OF METALS AND NON METALS
- REACTIVITY SERIES
- IONIC AND COVALENT BONDING

5.CHEMICAL REACTIONS AND EQUATIONS

- TYPES OF CHEMICAL REACTIONS
- BALANCING OF CHEMICAL REACTIONS

**BIOLOGY**

1. BASIC BIOLOGY CELLS AND TISSUES

- a. CELL: UNIT OF LIFE, CELL ORGANELLES AND THEIR FUNCTIONS
- b. DIFFERENCE BETWEEN: PROKARYOTIC AND EUKARYOTIC CELLS, ANIMALS AND PLANT CELLS.
- c. TISSUES- TYPES AND FUNCTIONS OF PLANT AND ANIMAL TISSUES

2. CONTROL AND CO-ORDINATION

- a. ANIMAL NERVOUS SYSTEM, REFLEX ACTIONS, HUMAN BRAIN
- b. PLANTS STIMULUS AND RESPONSE , TROPIC MOVEMENTS

3. REPRODUCTION IN ANIMALS AND PLANTS

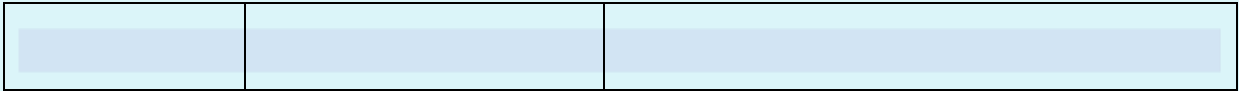
- ANIMALS-
- a. TYPES OF REPRODUCTION IN UNICELLULAR ORGANISMS
  - b. MALE AND FEMALE REPRODUCTIVE SYSTEMS
  - c. SEXUAL REPRODUCTION IN PLANTS
  - d. STRUCTURE OF FLOWER AND FUNCTIONS OF FLORAL PARTS
  - e. SEXUAL REPRODUCTION IN PLANTS.

4. LIFE PROCESS IN PLANTS AND ANIMALS

- a. NUTRITION
- b. RESPIRATION
- c. EXCRETION
- d. TRANSPORTATION

5. HEALTH AND HYGIENE

- a. PERSONAL HYGIENE



EDUCATION FOR LIFE

AIIS

