

ASIAN INTERNATIONAL SCHOOL

ADMISSION TEST SYLLABUS OF SESSION 2024-25

CLASS

SYLLABUS

NURSERY TO I

INTERACTION

SUBJECTS

ENGLISH

MATHAMETICS

II

- NAMING WORDS
- OPPOSITES
- ACTION WORDS
- SIMPLE SENTENCES
- COMPREHENSION

- NUMBER 1-50 (AFTER-BEFORE)
- NUMBER NAMES (GREATER – LESSER, ASCENDING ORDER)
- SIMPLE ADDITION AND SUBTRACTION
- TABLES 2-6

III

- NOUNS (NAMING WORDS)
- ARTICLES
- PUNCTUATIONS
- VERBS
- MAKE SENTENCES

- ADDITION
- SUBTRACTION
- NUMBER NAMES (1-100)
- DIVISION
- BEFORE AND AFTER NUMBERS
- ASCENDING AND DESCENDING
- WORD PROBLEMS

IV

- PARAGRAPH WRITING
- UNSEEN COMPREHENSION
- NOUNS
- MAKE SENTENCES
- VERB
- ADJECTIVES

- 4 DIGIT NUMBERS
- ADDITION
- SUBTRACTION
- MULTIPLICATION
- DIVISION
- WORD PROBLEMS

V

- UNSEEN COMPREHENSION
- LETTER (INFORMAL)
- SIMPLE TENSES
- KINDS OF ADJECTIVES
- FORMATION OF INTERROGATIVE SENTENCES

- ADDITION
- SUBTRACTION
- MULTIPLICATION
- DIVISION
- PROBLEM SUMS
- LCM & HCF
- UNITARY METHOD

<p>VI</p>	<ul style="list-style-type: none"> • UNSEEN COMPREHENSION • LETTER – INFORMAL • USES OF TENSES (PAST, PRESENT & FUTURE) • KINDS OF ADJECTIVES • PREPOSITIONS • PARAGRAPH WRITING 	<ul style="list-style-type: none"> • FACE VALUE OF UNIT, TENS, HUNDREDS & THOUSANDS • ALGEBRAIC EXPRESSIONS • PERCENTAGES • PROFIT AND LOSS • LCM & HCF • SIMPLIFICATION OF FRACTIONS
<p>VII</p>	<ul style="list-style-type: none"> • UNSEEN COMPREHENSION • LETTER WRITING (FORMAL & INFORMAL) • KINDS OF ADJECTIVES • KINDS OF ADVERBS • TENSES • CONJUNCTIONS • PREPOSITION • DIRECT & INDIRECT SPEECH 	<ul style="list-style-type: none"> • GEOMETRIC CONSTRUCTION • ARITHMETIC- PROFIT AND LOSS • FRACTIONS • DECIMALS • RATIO AND PROPORTION • PERCENTAGE • BASIC CONCEPT OF ALGEBRA • MENSURATION
<p>VIII</p>	<ul style="list-style-type: none"> • UNSEEN COMPREHENSION • LETTER WRITING (FORMAL & INFORMAL) • APPLICATION OF TENSES • SUBJECT VERB AGREEMENT • CONJUNCTIONS • ACTIVE & PASSIVE VOICE • DIRECT & INDIRECT SPEECH • COMPOSITION 	<p><u>1. ARITHMETIC</u></p> <ul style="list-style-type: none"> • PROFIT & LOSS • INTEGER • FRACTIONS & DECIMALS • RATIONAL NUMBERS • UNITARY METHOD • PERCENTAGE <p><u>2. ALGEBRA</u></p> <ul style="list-style-type: none"> • ALGEBRAIC EXPRESSIONS • EXPONENTS & POWERS • GEOMETRIC ANGLES
<p>IX</p>	<ul style="list-style-type: none"> • UNSEEN COMPREHENSION • LETTER WRITING (FORMAL & INFORMAL) • DIRECT & INDIRECT SPEECH • SUBJECT VERB AGREEMENT • TENSES • PREPOSITIONS • CONJUNCTIONS • ACTIVE & PASSIVE VOICE • STORY WRITING 	<p><u>1. ARITHMETIC</u></p> <ul style="list-style-type: none"> • RATIONAL NUMBERS • PERCENTAGE • PROFIT & LOSS • UNITARY METHOD <p><u>2. ALGEBRA</u></p> <ul style="list-style-type: none"> • ALGEBRAIC EXPRESSIONS • SIMPLE EQUATIONS • FACTORISATION • SIMULTANEOUS EQUATIONS • SIMPLIFICATION <p><u>3. GEOMETRY</u></p> <ul style="list-style-type: none"> • TRIANGLES • PARALLEL LINES • QUADRILATERALS • MENSURATION- AREA & PERIMETER

ADMISSION TEST SYLLABUS OF SESSION 2024-25 FOR CLASS XI SCIENCE

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

PHYSICS

1.LIGHT

- REFLECTION THROUGH PLANE MIRROR
- REFLECTION THROUGH SPHERICAL MIRROR
- REFRACTION THROUGH GLASS SLAB
- REFRACTION THROUGH PRISM
- REFRACTION THROUGH LENS
- RAY DIAGRAM

2.LIGHT – NATURAL PHENOMENA

- DISPERSION
- SCATTERING
- RAINBOW
- EARLY SUNRISE/ DELAYED SUNSET

3.ELECTRICITY

- OHMS LAW
- JOULES LAW OF HEATING
- POWER
- COMBINATION OF RESISTORS
- HOUSEHOLD CONNECTION

4.MAGNET EFFECT OF CURRENT

- OERSTED EXPERIMENT
- FLEMMING RULES
- SOLENOID
- ELECTROMAGNET
- AC GENERATOR

CHEMISTRY

1.CHEMICAL REACTIONS AND EQUATIONS

- TYPES OF CHEMICAL REACTIONS
- BALANCING OF CHEMICAL REACTIONS

2.ACID, BASE & SALTS

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

3.METALS AND NON-METALS

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

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4. CARBON AND ITS COMPOUNDS

- CARBON COMPOUNDS: COVALENT BONDING IN CARBON COMPOUNDS
- VERSATILE NATURE OF CARBON
- HOMOLOGOUS SERIES
- NOMENCLATURE OF CARBON COMPOUNDS CONTAINING FUNCTIONAL GROUPS (HALOGENS, ALCOHOL, KETONES, ALDEHYDES, ALKANES AND ALKYNES)
- DIFFERENCE BETWEEN SATURATED HYDRO CARBONS AND UNSATURATED HYDROCARBONS
- CHEMICAL PROPERTIES OF CARBON COMPOUNDS (COMBUSTION, OXIDATION)
- ECO-SYSTEM
- ENVIRONMENTAL PROBLEMS
- OZONE DEPLETION
- WASTE PRODUCTION AND THEIR SOLUTIONS
- BIODEGRADABLE AND NON-BIODEGRADABLE SUBSTANCES

5. OUR ENVIRONMENT

1. LIFE PROCESSES

- OF NUTRITION
- RESPIRATION,
- TRANSPORT AND EXCRETION IN PLANTS AND ANIMALS
- TROPIC MOVEMENTS IN PLANTS

2. CONTROL AND CO-ORDINATION IN ANIMALS AND PLANTS

- INTRODUCTION OF PLANT HORMONES CONTROL AND CO-ORDINATION IN ANIMALS
- NERVOUS SYSTEM: VOLUNTARY INVOLUNTARY AND REFLEX ACTION; CHEMICAL CO-ORDINATION
- REPRODUCTION IN ANIMALS AND PLANTS (ASEXUAL AND SEXUAL) REPRODUCTIVE HEALTH - NEED AND METHODS OF FAMILY PLANNING
- SAFE SEX VS HIV/AIDS
- HEREDITY; MENDEL'S CONTRIBUTION

3. REPRODUCTION

4. HEREDITY AND EVOLUTION

- LAWS FOR INHERITANCE OF TRAITS
- SEX DETERMINATION: BRIEF

BIOLOGY

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ADMISSION TEST SYLLABUS OF SESSION 2024-25 FOR CLASS XI COMMERCE

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

ADMISSION TEST SYLLABUS OF SESSION 2024-25 FOR CLASS XI HUMANITIES

ENGLISH	1.UNSEEN 2.GRAMMAR 3.CREATIVE WRITING/ COMPOSITION	<ul style="list-style-type: none"> • COMPREHENSION / POEM • PASSAGE-PROSE/ POEM • FUNCTIONAL GRAMMAR • STRUCTURAL USAGE OF ENGLISH • NARRATION • DESCRIPTIVE • IMAGINATIVE • ARGUMENTATIVE
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MATHEMATICS

1. QUADRATIC EQUATIONS

2. TRIGONOMETRY

3. STATISTICS

4. MENSURATION

5. ALGEBRA

- SUMS AND PROBLEMS
- COMPLIMENTARY ANGLES
- IDENTITIES
- MEAN
- MEDIAN
- MODE
- CUMULATIVE FREQUENCY
- SURFACE AREA AND VOLUME OF CIRCLES
- CUBES
- CUBOIDS
- ARITHMETIC PROGRESSION

SOCIAL SCIENCE

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HISTORY :

- THE INDIAN NATIONAL MOVEMENT
- MAHATAMA GANDHI AND HIS IDEA OF NON-COOPERATION
- THE RISE OF EUROPEAN NATIONALISM
- THE FIRST WORLD WAR AND THE SECOND WORLD WAR

POLITICAL SCIENCE:

- THE UNION LEGISLATURE
- POLITICAL PARTIES
- THE UNION PARLIAMENT
- FEDERALISM
- DEMOCRACY

GEOGRAPHY :

- RESOURCES
- AGRICULTURE
- MINERAL AND ENERGY RESOURCES
- MANUFACTURING INDUSTRIES
- TRANSPORT
- PHYSICAL FEATURES OF INDIA

ECONOMICS:

- CONCEPT OF DEVELOPMENT
- INCOME AND NATIONAL DEVELOPMENT
- SECTORS OF THE INDIAN ECONOMY
- MONEY AND CREDIT