

ASISC SCHOLARSHIP EXAMINATION 2019-2020

SCHEME

STD I

ENGLISH

Language Ability

Nouns, Adjectives, Prepositions, Articles, Pronouns, Gender and Number, verbs, Tenses, Rhyming Words, Opposites, Punctuation, Jumbled Letters, General Questions, Vocabulary in context appropriate to the age level.

MATHEMATICS

Numbers 1-100, Number Names, Number that comes After/Before/Between, Addition and Subtraction of two digit numbers. Measurement- Basic concepts of length, weight, capacity . Time, Data Handling. Simple patterns of numbers, Comparison of numbers. Place Value, Face Value.

EVS

About me, others in my world, My needs- Food we eat, Water, Shelter, Clothing, Air. Keeping oneself clean, safe and healthy places in the neighbourhood, plants, animals, transport, communication. The world around me (Sun, Moon, Sky and stars)

GENERAL KNOWLEDGE

Important Personalities, Countries & Currencies, India's Superlatives, World's Superlatives, Solar System, Animal Kingdom, Countries & Capitals.

STD II

ENGLISH

Language Ability

Nouns, Pronouns, Verbs, Articles, Adjectives, Adverbs, Conjunctions, Prepositions, Countable and Uncountable Nouns, Tenses, Helping Verbs, Homophones, Antonyms, Synonyms, Jumbled words to make meaningful sentences, Short Forms, Vocabulary in context appropriate to the age level.

MATHEMATICS

Numbers 1-1000, Place and face value, Comparison of numbers, Addition and Subtraction of three digit numbers. Multiplication of two digit numbers. Geometrical shape, measurement, time and month, Data Handling, Pattern of numbers, expanded form and compact form of numbers, money.

EVS

About me, Others in my world. My needs-Food, Water, shelter, Clothing, Air. Keeping oneself clean, safe and healthy places in the neighbourhood, plants , animals, transport, communication. The world around me(Sun, Moon, Sky and Stars), Time, Space, Direction.

GENERAL KNOWLEDGE

First in India, Capitals, Important dates, Famous authors, Birds & animals, Important personalities, solar system, Famous nicknames.

STD III

ENGLISH

Language Ability

Subject and Predicate, Nouns, Genders, Articles, tenses, Degrees of Comparisons, Sequencing through alphabetical order (first two letters of the word), Vocabulary in context appropriate to the age level(prefixes and suffixes).

MATHEMATICS

Numbers upto lakh, place values, addition and subtraction of four digit numbers with carrying, Multiplication and division of two digit numbers, Measurement, Time and Calendar, Fraction, Money.

EVS

Living and Non-Living things, Human body, Animals, Birds, Insects, Plants in the surroundings, Food we get from plants, Forms of matter- Solids, Liquids and Gases, Properties of water, Water as a resource, sun as a natural resource, cleanliness, Health and Hygiene.

GENERAL KNOWLEDGE

Our Country, Our earth continent, Important personalities, Books and authors, Abbreviations, National days, Inventions/Discoveries, Our Natural world

STD IV

ENGLISH

Language Ability

Subject – Verb Agreement, Common idioms and Proverbs, Transformation of Sentences, Correction of Sentences, Comprehension, Passage, Parts of Speech. Pronouns- Personal and Reflexive Tenses-Question tag, vocabulary in context appropriate to the age level.

MATHEMATICS

Numbers upto crores, Place values, Addition and Subtraction of five digit numbers, Multiplication and division of three digit numbers, Factors and Multiples, Fractions, decimals, Money, Measurement of length, Mass, Capacity, Time, Perimeter and Area. Roman numbers, Data Handling.

EVS

Human Body- Food we eat, The Teeth, The digestive and excretory system, Adaptation in animals and plants, Plants in the surroundings and environment, Air, Materials and Solutions, Light, Measurement, Push and Pull, friction as a source.

GENERAL KNOWLEDGE

Inventions/Discoveries, Word puzzles, Important personalities, Books and authors, The world around us, Our Country, Earth, Solar System.

STD V

ENGLISH

Language Ability

Nouns, Tenses, Adjectives, Gender, Conjunction, Prepositions, Voice, Direct and Indirect speech, Phrasal Verbs, sentence, subject-Verb Agreement, Antonyms- Synonyms, Homophones, Test of Comprehension.

MATHEMATICS

Numbers upto crores, Place values, Number operations, Fractions and Decimals, Factors and Multiples, Metric System, Percentage, Data Handling.

EVS

Human Body – The circulatory system and the skeletal system, food and health, pollination, plant reproduction, solids, liquids and gases, Interdependence in living beings- Plants and Animals, Sounds and Noise, Work and Energy, Light and Shadows, Simple machines, Cleanliness and Hygiene.

GENERAL KNOWLEDGE

Our Country, Political personalities, Place of historical importance, Importance, Important dates, Current affairs, Important awards and honours, Sports and games, Books and authors, Abbreviations, Development of technology etc.

STD VI

ENGLISH

Language Ability

Parts of Speech, Gender, Number-Singular and Plural, Phrases, Kinds of Sentences, Subject- Verb Agreement, Voice, Direct and Indirect Speech, Antonyms, Synonyms, Test of Comprehension

MATHEMATICS

Number System-(Integers, Negative numbers, whole numbers, Natural Numbers). Sets, Fractions, Ratio and Proportions. Algebra-(Fundamental concepts, operations). Geometry-(Types of angles and triangles), Perimeter and Area.

PHYSICS

Matter, Physical quantities and measurement, Force, Energy, Light and Magnetism.

CHEMISTRY

1. Introduction to chemistry
2. Elements and Compounds
3. Mixtures and their Separation
4. Matter
5. Water
6. Air and Atmosphere

BIOLOGY

1. The leaf
2. The Flower- Parts, Pollination, Fertilization
3. Cell- Structure and functions, plant and animal cells- Structure, differences.
4. Digestive System- Alimentary Canal and associated digestive glands, functions of each part, process of digestion.
5. Respiratory System- Parts of human respiratory system, functions of each part, Mechanism of breathing, common respiratory diseases.
6. The Circulatory System- Parts, Process of Circulation.
7. Disease and Hygiene- Diseases – Types , cause and modes of transmission of communicable diseases, prevention of communicable diseases, healthy practices for hygiene.
8. Habitat and Adaptation- Aquatic, Desert, Mountain and Air habitat- Adaptations in plants and animals with examples.

GENERAL KNOWLEDGE

Environment, Our Country, Books and authors, abbreviations, Political personalities, Place of historical importance, Important dates, Sports and games, Current affairs, Awards and honours, development of technology, Government-State and Central.

STD VII

ENGLISH

Language Ability

Parts of Speech, Gender, Number-Singular and Plural, Tenses, Infinitives, Voice, Kinds of Sentences, Direct and Indirect Speech, Test of Comprehension.

MATHEMATICS

Integers, Fractions, Rational Numbers, Exponents, Sets, Ratio and Proportions, Percentage, SPEED, Distance and Time, Algebraic Expressions, Simple linear equations in one variable, Geometry-(Pairs of angles, Properties of triangles) Perimeter and Area, Probability.

PHYSICS

Physical quantities and measurement, motion, Energy, Light energy, Heat, Sound and Electricity and Magnetism.

CHEMISTRY

1. Matter and its composition
2. Physical and Chemical Changes
3. Elements, Compounds and Mixtures
4. Atomic Structure
5. Language of Chemistry
6. Metals and Non-Metals
7. Air and atmosphere

BIOLOGY

1. Plant and Animal Tissues- Types of tissues, characteristics, structure with their functions.
2. Classification of plants- Concept of classifications, characteristics and suitable examples of each kingdom.
3. Classification of Animals
4. Photosynthesis and Respiration- Basic process, Factors affecting photosynthesis, Significance of photo synthesis, Experiments, Respiration- Basic process, equation, Types of respiration and the significance of each type.
5. Excretion in human beings
6. Nervous System: Main parts, location and functions, Nerves: General function.
7. Allergy: Concept of allergy, allergen, Entry routes of allergens into the body, allergic reaction, precautions to be taken by an allergic person.

GENERAL KNOWLEDGE

Current affairs, Sports and games, books and authors, Important Personalities & Nicknames, Important Landmarks, Government-National & International, Development of technology, important days & dates, Abbreviations, Space, Awards and honours, Nobel prices, World organisations, IT

STD VIII

ENGLISH

Nouns, Adjective, Tense, Transformation of Sentences, Preposition, Conjunction, Number- Singular and Plural, phrasal verbs, voice, Direct and Indirect Speech, Test of Comprehension.

MATHEMATICS

Rational numbers, Exponents, Squares and Square roots, cubes and cube roots, Sets, Percentage, Compound Interest, direct and Inverse variations, Time and Work, Algebraic expressions, Factorisation, Geometry- (Parallelograms, circle, Area of a trapezium), Volume and Surface Area of Solids, Probability.

PHYSICS

Matter, Physical quantities and measurement, Force and Pressure, Energy, light Energy, Heat transfer, sound and Electricity

CHEMISTRY

1. Matter
2. Physical and Chemical Changes
3. Elements Compounds and Mixtures
4. Atomic Structure
5. Language of Chemistry
6. Chemical Reactions
7. Hydrogen
8. Water
9. Carbon and its Compounds

BIOLOGY

1. Transport of food and minerals in plants.
2. Reproduction in plants and animals- Pollination, Fertilisation. Reproduction in simple organisms. Reproduction in human beings. Male and female reproductive glands, their functions, their location and functions.
3. Ecosystems
4. Endocrine System-Endocrine and Exocrine glands, hormones, Hormonal glands- thyroid, adrenal, pancreas, pituitary
5. Circulatory System
6. Nervous System-Types of nerves, Central Nervous System, Reflex action
7. Health and Hygiene- Diseases. Methods to prevent diseases, First Aid.
8. Food Production – Use of bacteria and fungi in food industry, Agriculture, Organic Farming, Animal Husbandry.

GENERAL KNOWLEDGE

Current affairs, Sports and games, books and authors, Important personalities, Important Landmarks, Important organizations and institutions, Government-National & International, Development of technology, Important days & dates, Abbreviations, Space, Awards and honours, Nobel prizes, Newspaper and media.