

**Directorate of IBA Community Colleges and Schools
Admission Test Syllabus 2020-21 session**

Interview guide (Class ECE-I)

Replying simple questions like, what is your name? What is your father's / mother's name etc. Identifying common objects, fruits, vegetables, body parts, colours and shapes, Reciting first, kalmia, singing rhymes/poems, joining dots, Coloring within the designated space.

Class ECE-II (from the syllabus of Class ECE-I)

English(50%): Identifying small alphabets with sounds. a-z, Recognizing the beginning sounds of words or pictures. a-z, Writing small alphabets. a-z, Reading and writing CVC (three letters) words. Like cat, dog, bun, tin etc.

Maths(50%): Identifying numbers and numbers value 1-20, Writing numbers in sequence 1-20, Identifying flat shapes (like circle, square etc.)

Grade I OR Class ECE-III (from the syllabus of Class ECE-II)

English(50%): Identifying and writing small and capital alphabets Aa-Zz, Reading and writing CVC (three letters) words, identifying first, middle and last sound of CVC words, Pictorial reading/writing of common objects like fruits, vegetables, days, Reading sight words like, this, the, that, he, she, a, an etc.

Maths(50%): Identifying numbers 1-100, Identifying numbers value 1-20, Numbers in words 1-20, Addition and Subtraction up to 1-20, Identifying 3d shapes and writing names.

Grade II OR Class ECE-IV (from the syllabus of Class ECE-III)

English(50%): Reading comprehension followed by MCQs or Questions, Vocabulary: opposites singular plural, action words, naming words, describing words.), Pictorial readings of common objects like fruits, vegetables and animals.

Maths(50%): Numbers 1-500 (numerals and words), Addition and subtraction: 2 and 3 digit numbers, without carrying and borrowing, Skip counting 2s, 5s and 10s, Shapes: 2D and 3D.

Grade III (from the syllabus of Class ECE-IV or grade II)

English (50%): Reading comprehension followed by MCQs or Questions, Vocabulary: opposite words, singular/plural, action words, naming words, describing words.), Pictorial readings of common objects like fruits, vegetables, animals, months, birds and Parts of speech (Noun)

Maths(50%): Numbers 1-1000 (numerals, words and place value), Odd/even numbers 1-100, Addition and subtraction: 2 and 3 digit numbers without and with carrying and borrowing, Multiplication and division: 1 and 2 digit numbers without borrowing or remaining, Word problems, Tables: 2 – 5 and 10, Measure: Money, length, weight, capacity, time (standard units), Shapes:3D(faces, edges and corners)

Grade IV (from books of Class 3rd)

English(50%): Reading comprehension followed by MCQs or Questions, Singular/Plural, Word/Opposite, Sentences (Common words from daily life), genders, articles, Noun, pronoun

Maths(50%): Writing number (in digit & words) Basic Operations (+, ×, -, ÷) with borrowing and carrying, Finding Mass, capacity, and length with standard units, 2D and 3D shapes.

Grade V (from books of Class 4th)

English(50%): Reading comprehension followed by MCQs or Questions, Singular/Plural, Word/Opposite, Sentences (Common words from daily life), genders, articles, synonyms, Parts of speech (Noun, pronoun, verb)

Maths(50%): Basic operations (+, ×, -, ÷), Units conversion, Fractions, Basic Geometry, Series, Sequence and data handling

Grade VI (from books of Class 5th)

English(50%): Reading comprehension followed by MCQs or Questions, Singular/Plural, Sentences (Common words from daily life), genders, articles, Antonyms, synonyms, Parts of speech (Noun, pronoun, verb, adjective)

Maths(50%): Fractions and its types along with basic operations (+, -, × and ÷), Numbers and its basic operations (+, -, × and ÷), Measurement (Length, Mass, time, capacity), Factors, LCM and HCF, Basic Algebra, Percentage, Geometry (Making angles, Finding the right angle, Concept of RAY, Angles in Quadrilaterals)

Grade VII (from books of Class 6th)

English(30%): Reading comprehension followed by MCQs or Questions, Singular/Plural, Sentences (Common words from daily life), genders, articles, Antonyms, synonyms, Parts of speech (Noun, pronoun, verb, adjective, adverb), sentence error

Maths(40%): Sets, whole numbers, factors, multiples, decimal numbers, ratio and proportion, financial arithmetic, Algebraic expression, linear equations, Geometry, volume and surface area, Area and perimeter of triangle and rectangle, Data handling.

G. Science(30%): Cells and Tissues, Sense Organs, Atoms, Molecules, Mixtures & Compounds, Energy and its Forms, matter and states of matter

Grade VIII (from books of Class 7th)

English(30%): Reading comprehension followed by MCQs or Questions, Singular/Plural, Sentences (Common words from daily life), genders, articles, Antonyms, synonyms, Parts of speech (Noun, pronoun, verb, adjective, adverb, prepositions), sentence error, Active/passive voice

Maths(40%): Sets, real numbers, decimal numbers, square root, direct/inverse proportion, Factorization, Algebraic expression, linear equations, Geometry, circumference, volume, Area and perimeter of triangle and rectangle, Data handling.

G. Science(30%): Human Organ Systems, Photosynthesis, Food & Digestion, Water, Transmission of Heat, Forces and light and its properties

Grade IX (from books of Class 8th)

English(30%): Reading comprehension followed by MCQs or Questions, Singular/Plural, Sentences (Common words from daily life), genders, articles, Antonyms, synonyms, Parts of speech, sentence error, Active/passive voice, Narration

Maths(40%): Operations on sets, real numbers, decimal numbers, square root, cube roots, number systems and their inter conversions, financial arithmetic, direct/inverse proportion, Factorization, Algebraic expression, basic algebraic formulae, simultaneous equations, Geometry, circumference, volume, Area and perimeter of triangle and rectangle, introduction to trigonometry, Data handling.

G. Science(30%): Pollutants and the Environment, Chemical Reactions, Measurement of physics Quantities, Refraction and reflection of Light, Acids, Alkalis & salts: Introduction, introduction to Element, Compound, Mixture, Atomic number, Atomic Mass, basic chemical formulae and chemical reactions

Grade X (from the syllabus of Class IX)

English(30%): Reading comprehension followed by MCQs or Questions, Grammar: articles, Antonyms, Synonyms, Parts of speech (Noun, pronoun, verb, adjective, adverb, prepositions, conjunction and interjection), sentence error, Active/passive voice, Narration

Chemistry(40%): Branches of Chemistry, Solution and Suspension, Carbon and its compounds, states of matter, Atomic structure, Element, Compound, Mixture, Atomic number, Atomic Mass, basic chemical formulae and chemical reactions

Either Biology OR Computer

Biology(30%): Branches of Biology, Cellular organization, Enzymes, Digestive system, Respiratory system, Circulatory System, Scientific method, Photosynthesis,

Computer(30%): Introduction to computer, Hardware and Software, Input and Output devices, Data and information, Computer memory.

Grade XI (from the syllabus of Class X)

English(30%): Reading comprehension followed by MCQs or Questions, Grammar: articles, Antonyms, Synonyms, Parts of speech, figure of speech, sentence error, Active/passive voice, Narration

Physics(40%): Kinematics and Dynamics, Electromagnetism, Electricity, Waves and sounds, Heat, light, mirror, lenses and temperature

Maths(30%): Sets and algebra, Matrices, Trigonometry, Geometry, Operations of Algebra, eliminations, theorems of geometry

Grade XII (from the syllabus of Class XI)

English(25%): Reading comprehension followed by MCQs or Questions, Grammar: articles, Antonyms, Synonyms, Parts of speech, figure of speech, sentence error, Active/passive voice, Narration

Physics(25%): Motion in two dimensions, Optical instruments, Nature of light, work, power and Energy, Gravitation, sound, wave and Simple harmonic motion

Either Biology OR Maths (Medical/Engineering)

Biology(25%): Cell tissues, Enzymes, Digestive system, Respiratory system, Circulatory System, Kingdom Plantae.

Maths(25%): Sets, Complex number, Quadratic equation, Nature of roots, Matrix and determinates, Trigonometry, sequence and series

Either Chemistry OR Computer (Engineering/Computer science)

Chemistry(25%): Atomic structure, Chemical bonding, Periodic properties, Chemical Equilibrium, Electro negativity, solutions, law of mass action, chemical kinetics

Computer(25%): Introduction to computer, Hardware and Software, Input and Output devices, Data and information, Computer memory.