

ENGLISH ... Grade: 5 ... Allocated Marks: 20 ... Time Allowed: 50 minutes

Educational institutions established in private sector introduce different series of books particularly on this subject which vary from school to school. Keeping in view this problem, no text book is recommended for Entry Test. However, in order to evaluate the proficiency of candidates in English, a comprehensive paper is set which carries simple and common questions according to the **age/ class level** of the students.

SYLLABUS of ENGLISH for ADMISSION to Grade: 5

TITLE of the ACTIVITY Function/Requirement	No. of Attempts (Parts of the Question)	Marks Allocated to each Attempt	Total Marks of the Question
Vocabulary			
Correction of Spellings	2	0.5	1.0
Meanings of Words in English or in Urdu	4	0.5	2.0
Words-Opposites (Antonyms)	2	0.5	1.0
Forms of Verbs (Present/Past/Past Participle)	4	0.5	2.0
Grammar			
Articles (a, an, the)	2	0.5	1.0
Prepositions	2	0.5	1.0
Choosing the Correct Main Verb	1	1.0	1.0
Choosing the Correct Auxiliary Verb	2	1.0	2.0
Identifying the Part of Speech of the Underlined Word in a Sentence	3	1.0	3.0
Changing Sentence Type (Affirmative/Negative/Interrogative)	1	1.0	1.0
Making the Sentence Singular/ Plural	1	1.0	1.0
Correction of the Sentence	1	1.0	1.0
Sentence Formation of Words	3	1.0	3.0

MATHEMATICS...Grade:5...Allocated Marks:20...Time Allowed: 45 minutes

The ability of the students regarding general concepts of Mathematics, practiced in the respective classes at every school, is evaluated through the Entrance Test paper of Mathematics. The paper comprises of five sums carrying 4 marks each. The very first question of the paper is in objective form, however, the rest of the 4 questions are picked up calculation based sums.

- **Fill in the Blanks** (1.0× 4)
- **Sums** (4.0× 4)

SYLLABUS of MATHEMATICS for ADMISSION to Grade: 5

Whole Numbers (0 - 1 000 000): Place value chart, place value, expanded form, number name, numbers in figures, comparison and ordering of numbers

Numbers operations: (Addition, Subtraction, Multiplication & Division)

Word problems of Addition, Subtraction, Multiplication & Division)

Factors and Multiples: Prime and composite numbers, Factors and Multiples, Prime factorization, HCF and LCM

Fractions: Introduction, Conversion of improper fraction to mixed number & vice versa, Comparison of fractions, Addition and Subtraction of Like and Unlike fractions, Multiplication & division of fractions with whole numbers, word problems of fractions

Decimals: Conversion of fraction to decimal & vice versa, Comparison of decimals, Basic operations on decimals and related word problems.

Time: Conversion of units of time, Elapsed time, Addition and Subtraction of Units of time.

Measurements :(Length, Mass & Capacity)

Addition & Subtraction of units of length, Mass & Capacity and their application in daily life.

SYLLABUS of SCIENCE for ADMISSION to Grade: 5

Life processes of plants and animals: Characteristics of living things, Photosynthesis.

Plants: Classification of plants, Parts of flowering plants and their functions, Transportation of water in plants, Structure of a flower, Pollination and its types, Sexual reproduction in plants, Structure of seed, Seed dispersal, Seed germination, Stages of the life cycle of a flowering plant.

Animals: Classification and characteristics of animals, Classification and characteristics of vertebrates and invertebrates, Skeleton and its important functions, Human digestive system, Human teeth.

Ecosystem: Ecosystem and its types, Adaptations of plants and animals to different environments.

Matter and its characteristics: Properties of solids, liquids, and gases, Melting, Freezing, Boiling, Sublimation, Physical properties of metals.

Forms of energy and energy transfer: Energy and its forms (light energy, sound energy, heat energy, and electrical energy), Temperature and thermometer, Electric circuit.

Force and simple machines: Force and its types (muscular force, gravity, friction, resistance, magnetic force, and electric force), Multiple forces acting on an object, Lever, Pulley, Gear, and Inclined plane.

Earth, its resources and atmosphere: Renewable and non-renewable natural resources, Earth and its physical characteristics, Distribution of water on Earth's surface, The water cycle.