

## SYLLABUS FOR THE ENTRANCE EXAMINATIONS: 2016

(For entry 2017-18 Academic Session)

Dear Parents and Guardians,

This letter seeks to answer some of the queries we have had in the past regarding the Syllabus for the Entrance Examination.

Our Test endeavours to ascertain the candidate's innate and individual potential. The level of the entrance examination for all classes is set at the expected standard of one year lower than the year for which they are seeking admission i.e. if a student is seeking admission into class 5, the level of entrance exam would be based on the class 4 course. This pattern continues through the all class ranges.

The subjects of examination for all classes are **English, Mathematics, General Application and Second Language**. We try to design the papers to be student-friendly so that the candidate finds it interesting and is encouraged to do his or her best. Specimen paper for each subject at various levels is uploaded on The School website: [www.assamvalleyschool.com](http://www.assamvalleyschool.com)

However, I am giving general guidelines of the syllabus expected to be covered and the content of the question paper.

The **English and Second Language Papers** attempt to assess the child's linguistic ability and comprehension. The question paper generally includes a composition, a comprehension passage and questions on grammar. The choice of second language could be Assamese, Bengali or Hindi.

The **General Application Paper** is not a general knowledge paper. It aims to test the child's ability to solve problems with their knowledge and skills in a creative, expressive, imaginative and logical way.

The broad areas of the **Mathematics Syllabus** is as follows:

### FOR ENTRY INTO CLASS V:

- Numbers:** 5 digit Number- Indian Place Value of 4- digit Numbers Expanded form 4 digit Number.
- Fractions:** Proper, Improper, Mixed, Like & Unlike fractions, Addition & Subtraction with two fraction. Comparing Fraction, Equivalent fractions.
- Basic Arithmetic:** Addition and Subtraction up to 5 digit. Multiplication up to 3 digit number by 2 digit. Division with single digit divisor and 3 digit divided. Decimals, Addition and Subtraction up to 1 decimal.
- Time:** Addition, Subtraction
- Graph Reading:** Pictograph

### FOR ENTRY INTO CLASS VI:

- Numbers:** 6 digit Numbers- Indian & International system
- Fractions:** Proper, Improper, Mixed, Like & Unlike fractions, Addition & Subtraction with two Fractions, Simplification.
- Basic Arithmetic:** Addition, Subtraction, Multiplication, Division, Unitary method, World Problems, Decimals, L.C.M. & H.C. F.(maximum of three numbers).
- Time:** Addition, Subtraction
- Conversion Table:** Length & Weight,
- Drawing:** Drawing of shapes for different Geometrical figures.

### FOR ENTRY INTO CLASS VII:

- Arithmetic:** Numbers, Integers, Basic Arithmetic operations, Fractions, Decimals, Unitary method, Ratio, L.C.M. & H.C.F., Square & Cube.
- Geometry:** Fundamentals (Line segment), Angles, Construction of angles with a Protractor, Angle sum property of a triangle.
- Algebra:** Basic expressions.
- Mensuration:** Area and Perimeter of square and rectangle.
- Data representation:** Bar graph

### FOR ENTRY INTO CLASS VIII:

- Arithmetic:** Numbers, Integers, Basic Arithmetic Fractions, Fractions, Decimals, Unitary method, Ratio, L.C.M. & H.C.F., Square roots & Cube roots, Percentages, Proportion
- Geometry:** Angles, Parallel lines, Results on angles, Fundamental concepts of Geometry
- Algebra:** Simple algebraic operations, Linear equation.
- Mensuration:** Area and Perimeter of plane figures. Volume of cubes and cuboids.
- Data representation:** Bar graph and Pi-chart.

### FOR ENTRY INTO CLASS IX:

- Arithmetic:** Numbers, Rational Numbers, Fractions, Decimals, Powers & Roots, Ratio, Proportion, Percentages, Simple Interest, Profit & Loss.
- Geometry:** Parallel lines, Triangles, Construction of triangles, Properties of quadrilaterals.
- Algebra:** Basic operations, Special product, Expansions, Exponents, Linear equation.
- Mensuration:** Area & Perimeter of geometrical figures, volume and surface area of cubes and cuboids.

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Dean of Studies  
The Assam Valley School  
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