

ENTRANCE EXAM SYLLABUS FOR CLASS- VII

English

- Write an essay on a given topic or picture composition.
- Comprehend an unseen passage and answer questions based on it.
- Give the meaning and opposites of words taken from the passage.
- Construct sentences with words taken from the passage.
- Direct and indirect speech / Active & Passive Speech
- Use of : Verbs, nouns, pronouns, tenses, prepositions, conjunctions and idioms.
- Tenses
- Punctuate Sentences
- Idioms

Mathematics

Factors and Multiples

1. Divisibility tests of 2, 5, 10, 3, 9, 4, 8, 6, 11
2. Prime and composite numbers
3. Prime factorization/ finding prime factors
4. HCF and LCM of two or more numbers

Integers

1. Ordering (arrange in ascending/descending order) of integers.
2. All the four operations on integers

Fractions

1. Equivalent fractions
2. Reducing fractions
3. Ordering of fractions
4. All the four operations on fractions
5. Word problems on fractions

Decimals

1. Expanded form of decimal numbers
2. Conversion of fractions to decimal numbers and vice-versa.
3. Comparison of decimals
4. All the four operations on decimals

Unitary Method and its application

Fundamental Geometrical concepts

1. Line, line segment – naming, measuring and drawing using ruler.
2. Angles – naming, measuring and drawing using protractor.
3. Linear pair
4. Sum of angles at a point
5. Vertically opposite angles
6. Finding an unknown angle using the above properties

Triangles

1. Types of triangles a) on the basis of sides b) on the basis of angles
2. Angle sum property of a triangle
3. Exterior angle property of a triangle
4. Finding an unknown angle by the use of above properties

Environmental Science

- Plant Life
- Animal Life
- Air, Water, Weather
- Our Universe (The earth, rocks, soils and minerals)
- The Human Body
- Safety and First Aid
- Housing and Environment
- Energy and Work
- Matter and Materials.
- Food and Nutrition

हिन्दी

- 1 निबंध दस पंक्तियां
- 2 अनुच्छेद पर प्रश्नों के उत्तर
- 3 वचन परिवर्तन
- 4 मुहावरों के अर्थ और वाक्य रचना
- 5 विलोम शब्द, पर्यायवाची शब्द, अनेक शब्दों के लिए एक शब्द, लिंग परिवर्तन
- 6 संज्ञा, सर्वनाम और विशेषण की पहचान
- 7 सप्ताह के दिनों के नाम ६ महीनों के नाम
- 8 गिनती 1 से 100 तक
- 9 फलों, सब्जियों, व्यवसायों, रंगों, फूलों एवं सम्बन्धियों के नाम
- 10 शरीर के अंगों के नाम
- 11 अशुद्धि संशोधन
- 12 कठिन शब्दों के अर्थ