

**BIRLA VIDYAMANDIR, NAINITAL**  
**SYLLABUS FOR ADMISSION TEST**  
**CLASS – 4**

**ENGLISH**

1. **Reading Skills:** Questions based on the given text to check Comprehension skills.
2. **Writing Skills:** Thematic Appreciation, i.e. composition based on given picture, short compositions on personal details e.g. about parents, home town, pet etc.
3. **Grammar:** To check application of structural rules through questions based on – error correction (gender, singular/plural, verbs etc.), completing the given sentences or filling in the blanks.
4. **Vocabulary:** Correcting misspelt words.

**HINDI**

1. दिये गए विषय पर कहानी-लेखन।
2. दिए गए शब्दों का वाक्यों में प्रयोग।
3. अशुद्ध शब्दों के शुद्ध रूप।
4. विलोम (विपरीतार्थक) शब्द।
5. पर्यायवाची शब्द।
6. स्वर-व्यंजनों के आधार पर शब्द रचना।
7. निबंध लेखन।
8. अपठित गद्यांश।
9. चित्र को देखकर उसके संबंध में लिखना।

**MATHEMATICS**

Addition, Subtraction, Multiplication and Division of two digit numbers; Concept of fraction; Multiplication table up to 10; Four digit numbers in expanded form; Roman numerals up to 20; Insert the symbol  $<$ ,  $=$  or  $>$ ; Purchasing of articles from the given money; Geometrical figures (e.g. Rectangle, Square and Circle); Observation of pattern in figure; To find the number of days between two given dates in a particular calendar year; Insert the sign  $(+, -, \times, \div)$ .

**BIRLA VIDYAMANDIR, NAINITAL**  
**SYLLABUS FOR ADMISSION TEST**  
**CLASS – 5**

**ENGLISH**

1. **Reading Skills:** Questions based on the given text to check Comprehension skills.
2. **Writing Skills:** Creative Writing preferably an informal letter or description.
3. **Grammar:** To check application of structural rules through question based on – indefinite, continuous and perfect tenses.
4. **Vocabulary:** Antonyms, Group terms, Synonyms etc.

**HINDI**

1. शब्दों का भाववाचक संज्ञा शब्दों में परिवर्तन ।
2. अशुद्ध शब्दों के शुद्ध रूप ।
3. विलोम (विपरीतार्थक) शब्द ।
4. पर्यायवाची शब्द ।
5. वचन परिवर्तन ।
6. तत्सम-तद्भव शब्दों का परिवर्तन ।
7. अशुद्ध वाक्यों के शुद्ध रूप ।
8. निबंध लेखन ।
9. अपठित गद्यांश ।
10. कहानी-लेखन ।

**MATHEMATICS**

Successor and predecessor of a number; Addition and subtraction of like fractions; Addition and subtraction of four digit numbers; Multiplication of a four digit number by one and two digit numbers; Division of three and four digit numbers by one and two digit numbers; Prime numbers; Test of divisibility (2, 3, 5); Decimals; Addition and subtraction of decimals; The metric system; Time and calendar; 3-D and 2-D shapes (line segment, rectangle, triangle, angle, square, circle, cube, cuboid).

**BIRLA VIDYAMANDIR, NAINITAL**  
**SYLLABUS FOR ADMISSION TEST**  
**CLASS – 6**

**ENGLISH**

1. **Reading Skills:** Questions based on the given text to check Comprehension skills.
2. **Writing Skills:** Creative Writing, preferably a guided composition or a letter
3. **Grammar:** To check application of structural rules through questions based on – transformation/conversion of tenses or syntax (i.e. affirmative to negative or interrogative)
4. **Vocabulary:** Antonyms, Homonyms, Group terms etc.

**HINDI**

1. शब्दों का भाववाचक संज्ञा शब्दों में परिवर्तन।
2. अशुद्ध शब्दों के शुद्ध रूप।
3. विलोम (विपरीतार्थक) शब्द।
4. पर्यायवाची शब्द।
5. वचन परिवर्तन।
6. तत्सम-तद्भव शब्दों का परिवर्तन।
7. अशुद्ध वाक्यों के शुद्ध रूप।
8. निबंध लेखन।
9. अपठित गद्यांश।
10. पत्र-लेखन।

**MATHEMATICS**

Number system; Addition, subtraction, multiplication and division of numbers; HCF and LCM of numbers; Addition, Subtraction, the order  $\{0\}$  (BODMAS); Addition, subtraction, multiplication and division of decimals; Profit, loss, average, percentage; Unitary method; Metric system; Perimeter and area of a rectangle and square; Line, ray, types of angles, types of triangles.

**BIRLA VIDYAMANDIR, NAINITAL**  
**SYLLABUS FOR ADMISSION TEST**  
**CLASS – 7**

**ENGLISH**

1. **Reading Skills:** Questions based on the given text to check Comprehension skills.
2. **Writing Skills:** Creative Writing consisting of story writing, description and letter.
3. **Grammar:** To check application of structural rules through questions based on – Reported speech, active/passive voice, error correction.
4. **Vocabulary:** One word substitute, Group terms, Phrases, Common idioms.

**HINDI**

1. शब्दों का भाववाचक संज्ञा शब्दों में परिवर्तन।
2. वाक्यांशों के लिए एक शब्द।
3. विलोम (विपरीतार्थक) शब्द।
4. पर्यायवाची शब्द।
5. वचन परिवर्तन।
6. तत्सम-तद्भव शब्दों का परिवर्तन।
7. अशुद्ध वाक्यों के शुद्ध रूप।
8. पत्र-लेखन।
9. निबंध लेखन।
10. अपठित गद्यांश।

**MATHEMATICS**

Arithmetic: Number system, fraction, decimals; LCM and HCF of numbers; The property that the product of two numbers is equal to the product of their HCF and LCM; Simplification of brackets.

Commercial Mathematics: Unitary method, Percentage, Profit and Loss, Ratio and Proportion.

Geometry: Parallel lines, Triangle, Angles, Types of angles, Quadrilateral and Circle.

Algebra: Addition and Subtraction of algebraic expression (two and three terms only).

Mensuration: Perimeter and Area of a Rectangle and Square.

**BIRLA VIDYAMANDIR, NAINITAL**  
**SYLLABUS FOR ADMISSION TEST**  
**CLASS – 8**

**ENGLISH**

1. **Reading Skills:** Questions based on the given text to check Comprehension skills.
2. **Writing Skills:** Creative Writing based on composing a paragraph and letter writing.
3. **Grammar:** To check application of structural rules through questions based on – Synthesis, active/passive voice, conversions, common errors etc.
4. **Vocabulary:** One word substitute, Group terms, Phrases, Common idioms.

**HINDI**

1. वाक्यांशों के लिए एक शब्द ।
2. विलोम (विपरीतार्थक) शब्द ।
3. तत्सम-तद्भव शब्दों का परिवर्तन ।
4. शब्दों का भाववाचक संज्ञा शब्दों में परिवर्तन ।
5. अशुद्ध वाक्यों के शुद्ध रूप ।
6. मुहावरों का वाक्यों में प्रयोग ।
7. शब्दों का विशेषण शब्दों में परिवर्तन ।
8. पर्यायवाची शब्द ।
9. पत्र-लेखन ।
10. निबंध लेखन ।
11. अपठित गद्यांश ।

**MATHEMATICS**

Arithmetic: Rational Number, Fraction, Decimals, Exponents, Decimal representation of Rational number.

Commercial Mathematics: Percentage, Profit and Loss, Simple Interest, Ratio and Proportion.

Algebra: Expression, Linear equation in one variable.

Geometry: Lines and Angles, Parallel lines and their properties, Congruent triangles.

Mensuration: Perimeter and Area of Rectangle and Square.

Statistics: Chance and Probability, Data handling (mean, median, mode).

**BIRLA VIDYAMANDIR, NAINITAL**  
**SYLLABUS FOR ADMISSION TEST**  
**CLASS – 9**

**ENGLISH**

1. Passage for comprehension.
2. Composition.
3. Formal or informal letter.
4. Reported speech.
5. Active-passive voice, abstract nouns and questions based on the structural aspect of language.
6. Vocabulary.
7. General awareness (Names of political personalities, players, authors, etc.)

**HINDI**

1. भिन्नार्थक शब्दों के दो-दो अर्थ।
2. विलोम (विपरीतार्थक) शब्द।
3. तत्सम-तद्भव शब्दों का परिवर्तन।
4. शब्दों का भाववाचक संज्ञा शब्दों में परिवर्तन।
5. अशुद्ध वाक्यों के शुद्ध रूप।
6. मुहावरों का वाक्यों में प्रयोग।
7. शब्दों का विशेषण शब्दों में परिवर्तन।
8. पर्यायवाची शब्द।
9. वाक्यांशों के लिए एक शब्द।
10. पत्र-लेखन।
11. निबंध लेखन।
12. अपठित गद्यांश।

**MATHEMATICS**

Arithmetic: Real number, Square root, Exponents.

Algebra: Algebraic expression (Addition, Subtraction, Multiplication and Division).

Algebraic Identity:  $(x + a)(x + b) = x^2 + (a + b)x + ab$ ;  $(a + b)^2 = a^2 + 2ab + b^2$ ;  
 $(a - b)^2 = a^2 - 2ab + b^2$

Factorizations: By grouping the Terms, Trinomials, Factorizations of the form  $a^2 - b^2$ .

Commercial Mathematics: Ratio and proportion, Profit and Loss, Discount, Simple Interest.

Geometry: Properties of Parallel lines, Congruent triangles, The sum of angles of a triangle is  $180^\circ$ , The angle opposite to equal sides of a triangle is equal.

Mensuration: Perimeter and area of a triangle, Rectangle and Square; Volume and Surface Area of Cube and Cuboids.