

BIRLA SCHOOL PILANI

Syllabus for Admission Test- Class-VI

English

1. Parts of Speech
2. Articles
3. Tenses
4. Direct and Indirect Speech (Declarative Sentences)
5. Sentence reordering
6. Comprehension
7. Paragraph Writing
8. Letter Writing (Informal)

Mathematics

1. Number system, comparing numbers, Addition, subtraction, multiplication, and division
2. Parts and whole, fractions, Types of fractions
3. Simplification of numerical expressions
4. Rounding Numbers
5. Tenths & Hundredths, Place value
6. Factors and Multiples
7. Conversion of Units (Length, volume & mass)
8. Shapes and Angles, measuring angles, types of angles
9. Perimeter and Area of different figures
10. Patterns
11. Profit and Loss
12. Unitary Method
13. Speed, Distance and Time
14. Circle, parts of angles
15. Triangle, Types of triangles

Hindi

संज्ञा, सर्वनाम, विशेषण, क्रिया, लिंग, वचन, कारक का सामान्य ज्ञान तथा उन्हें वाक्यों में पहचानना, अशुद्ध शब्दों और वाक्यों को शुद्ध करना, मुहावरों और शब्दों का वाक्यों में प्रयोग , विलोम शब्द, पर्यायवाची, अनेक शब्दों के लिए एस शब्द पशु पक्षी, विद्यालय एवं पर्वों पर संक्षिप्त निबन्ध लिखना, आवेदन पत्र एवं व्यक्तिगत पत्र लिखना।

❖ Aptitude and General Knowledge Test

BIRLA SCHOOL PILANI

Syllabus for Admission Test- Class-VII

English

1. Countable and Uncountable
2. Singular and plural Number
3. Auxiliary verbs
4. Personal and possessive pronouns
5. Adjectives
6. Adverbs
7. Degrees of Comparison
8. Prepositions
9. Tenses
10. Comprehension passages
11. Composition Writing and Letter Writing
12. Affirmative and negative Sentences

Mathematics

1. Natural and whole numbers: Operations on whole numbers, properties of whole numbers.
2. Factors, Multiples, HCF, LCM, test for divisibility of numbers by 2,3,4,6,9,11.
3. Integers: Operations on integers (addition and subtraction).
4. Fractions: Types of fractions, addition, and subtraction of fractions.
5. Decimals: Types of decimals, addition, and subtraction of decimals.
6. Perimeter and area of plane figures (square and rectangle).
7. Ratio, properties, and unitary method.
8. Algebra: Four basic operations in forming the expressions.
9. Geometry: Point, line, plane, chord, diameter, circumference, sector, segment, classification of angles and triangles, perpendicular lines.
10. Construction: Construction of angles using ruler and compasses, perpendicular bisector of line segments.

Hindi

सामान्य विषयों पर छोटे-छोटे निबन्ध लिखना जैसे- विज्ञान के चमत्कार, प्रदूषण, होली, दीपावली, स्वतन्त्रता दिवस इत्यादि, व्यक्तिगत एवं प्रार्थना पत्र लेखन, पर्यायवाची शब्द, विलोम शब्द, उपसर्ग, प्रत्यय, लिंग, वचन, कारक, संज्ञा, सर्वनाम, विशेषण, क्रिया आदि का सामान्य ज्ञान अनेक शब्दों के लिए एक शब्द मुहावरों का अर्थ लिख कर वाक्यों में प्रयोग करना भाववाचक संज्ञा बनाना एवं शब्दों को शुद्ध करके लिखना।

❖ Aptitude and General Knowledge Test

BIRLA SCHOOL PILANI

Syllabus for Admission Test- Class-VIII

English

- 1 Comprehension Passage
- 2 Letter (formal & Informal)
3. Article Writing
4. Articles
5. Prepositions
6. Adverbs
7. Tenses
8. Narration
9. Active and Passive Voice
10. Modals
11. Use of Since and for
12. Adjectives with Comparison

Mathematics

1. Rational Numbers: Operations and decimal expressions.
2. Exponents: Laws of exponents, Expressing large numbers.
3. Time & work, Time & Distance.
4. Percentage & its applications, Profit & Loss
5. Mensuration: Area and Perimeter of Rectangle & Square, Area of paths, Volume of cube & cuboids
6. Algebra: Simple linear Equations in one variable formulation, Solutions & Applications
7. Conversion of units: m to cm, kg to g, litre to millilitre etc.
8. Lines & Angles: types & measures of angles, parallel lines, Linear pair of angles.
9. Triangles: Types, angle sum property, Pythagoras theorem.
10. Circles: radius, diameter, chord, area, circumference.

Hindi

वर्णों का ज्ञान, संज्ञा, सर्वनाम, विशेषण, क्रिया के भेदों सहित सामान्य ज्ञान, क्रिया विशेषण, संबंध बोधक, समुच्चयबोधक एवं विस्मयादि बोधक का सामान्य ज्ञान, लिंग, वचन तथा कारक का ज्ञान, अनसबको वाक्यों में पहचानना, विराम चिह्न, विलोम शब्द, शब्द युग्म, तत्सम तथा तदभव शब्द, अनेकार्थक शब्द, स्तर संधि तथा समास का सामान्य परिचय, उपसर्ग प्रत्यय का सामान्य ज्ञान, अशुद्ध शब्दों तथा वाक्यों को शुद्ध करके लिखना, मुहावरो तथा शब्दों का वाक्यों में प्रयोग, वर्णनात्मक, सामाजिक, राष्ट्रीय पर्वों एवं ऋतुओं पर निबन्ध लेखन व्यक्तिगत प्रार्थना पत्र तथा निमन्त्रण पत्र लेखन।

❖ Aptitude and General Knowledge Test

BIRLA SCHOOL PILANI

Syllabus for Admission Test- Class-IX

English

1. Tenses
2. Active and Passive voice
3. Narration
4. Prefix & Suffix
5. Prepositions
6. Infinitives
7. Gerunds
8. Transformation of sentences (Simple, complex, and compound)
9. Words and phrases
10. Paragraph Writing (100 words)
11. Letter writing
12. Reading Comprehension (Unseen Passage)

Mathematics

1. Square and square roots by factors and long division method.
2. Cubes and cube roots.
3. Sum, difference, multiplication and division of Rational Numbers.
4. Exponents and power: Laws of exponents, reciprocal of rational numbers with exponents.
5. Direct and inverse variables.
6. Compound interest: Formula, conversion period to find principal/ time/rate, growth and depreciation.
7. Circumference and area of circle.
8. Volume and Surface Area of right circular cone, right circular cylinder and sphere.
9. Probability
10. Addition, subtraction, multiplication and division of algebraic expressions.
11. Algebraic identities. Factorization of algebraic expressions.
12. Solving linear equation in one variable.
13. Coordinates and line graphs

Hindi

शब्द विचार –लिंग वचन , कारक, उपसर्ग-प्रत्यय, विलोम शब्द, पर्यायवाची, अनेक शब्दों के लिए एक शब्द, संज्ञा, सर्वनाम, विशेषण ,वर्तनी दोष को शुद्ध करना, समास, स्वर संधि, वाक्य शुद्धि , लेखन-प्रार्थना- पत्र, अनौपचारिक पत्र ,50- 60 शब्दों में अनुच्छेद लेखन

❖ Aptitude and General Knowledge Test

BIRLA SCHOOL PILANI

Syllabus for Admission Test- Class-XI

English

1. Unseen Comprehension
2. Letter Writing (Formal)
3. Article / Paragraph Writing
4. Report Writing
5. Tenses
6. Active and Passive Voices
7. Narration
8. Editing / Omission
9. Jumbled up words (Rearranging of words)
10. Correction of sentences

Mathematics

Real Numbers, Polynomials, Linear Equation in Two Variables, Quadratic Equations, Arithmetic Progressions, Triangles, Co-Ordinate Geometry, Trigonometry and its Applications, Circles, Constructions, Area Related to Circles, Surface Area and Volume, Statistics and Probability.

Science (Physics)

1. Light reflection & refraction
2. Electricity
3. Magnetic effects of current
4. Human eye and colourful world
5. Functioning of the lens

Science (Chemistry)

1. Chemical reaction and equation
2. Acid bases and salt
3. Metal and non-metal
4. Carbon and it's compound
5. Periodic classification of elements

Science (Biology)

1. Life Process
2. Control and Coordination
3. Reproduction
4. Heredity and Evolution
5. Our Environment.
