



# **KDB PUBLIC SCHOOL, KAVI NAGAR, GHAZIABAD**

## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

**AGE GROUP : 4+**

**CLASS – K.G**

### **English**

- Alphabets Aa to Zz (oral)
- Match the letters with their pictures
- Circle the odd one out
- Recognize the letter and circle the correct object
- Circle the correct letter.
- Match the upper case letter with lower case letter

### **Hindi**

- स्वर 'अ' से 'अः' तक की पहचान
- अक्षर से अक्षर का मिलान करो।
- चित्र से अक्षर का मिलान करो।
- भिन्न अक्षर पर गोला लगाओ।
- चित्र पहचानकर सही अक्षर पर गोला लगाओ।

### **Maths**

- Counting 0 to 20 (recognition & quantification)
- Circle the odd number
- Count the object and circle the correct number
- Count and match with correct number
- Pre number concepts like big / small, far/near, top/bottom, more/less, heavy/light etc.
- Shapes like circle, triangle, rectangle, square, star, oval



# **KDB PUBLIC SCHOOL, KAVI NAGAR, GHAZIABAD**

## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

**AGE GROUP : 5+**

**Class – Prep**

### **English**

- Alphabet Aa to Zz (Oral + Written)
- Match the letter with its picture
- Missing letters
- Circle the odd letter
- Recognize the picture and write the first letter
- Circle the correct letter
- CVC words
- General conversation with the child

### **Hindi**

स्वर अ – अः तक

व्यंजन क – ण तक

अक्षर से अक्षर का मिलान करो

चित्रों से अक्षर का मिलान करो

रिक्त स्थान भरो

भिन्न अक्षर पर गोला लगाओ।

चित्र पहचानकर सही अक्षर पर गोला लगाओ।

चित्र पहचानकर पहला अक्षर लिखो।

### **Maths**

- Counting 0 – 50
- Missing Numbers
- Count and Write
- Circle the odd number
- What comes after, between and before
- Circle the correct number
- Put the sign  $>$ ,  $<$ ,  $=$
- Pre number concept e.g. full/empty
- Shapes
- Back counting 20-0



# **KDB PUBLIC SCHOOL, KAVI NAGAR, GHAZIABAD**

## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – I**

#### **English**

1. Standing letter – ‘a’ to ‘z’
2. Three letter words with vowel sounds – a, e, i, o, u short and long vowel
3. Use of a/an
4. Use of this/that
5. Use of these / those
6. One – many
7. Use of in, on, under.

#### **Hindi**

1. स्वर व व्यंजन का ज्ञान।
2. दो, तीन, चार अक्षर वाले शब्द।
3. आ, इ ई की मात्रा के शब्द
4. चित्रों के नाम लिखें।
5. खाली स्थान भरें। (दो, तीन, चार वर्णों वाले शब्दों) के जैसे : राधा पनघट पर चल।

#### **Maths**

1. Counting 1-150
2. Put the sign  $>$ ,  $<$ ,  $=$  (0 – 150)
3. What comes After ,Before, Between
4. Number names 0 – 20
5. Backward counting 50 – 0
6. Shapes

#### **EVS**

1. Food (Healthy Food / Junk Food)
2. Animals (Domestic / Wild / Pet)
3. Family (Small Family / Large Family / Joint Family)
4. Body Parts
5. Eating Habits
6. Festivals (Religious / National)



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## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – II**

#### **English**

1. The Sentence (Punctuation)
2. Singular / Plural
3. Articles (A, An)
4. Naming Words (Noun )
5. Use of in / on / under
6. Pronoun
7. Adjective
8. Picture composition/ Reading comprehension.

#### **Hindi**

1. वचन, विलोम, वाक्य प्रयोग ।
2. दिनों के नाम ।
3. मेरा परिचय
4. गिनती 1 से 10 तक

#### **Maths:-**

1. Counting (0 to 200)
2. Number names (0-100)
3. Comparison (0-200)
4. Addition (2 digit with / without carry over)
5. Subtraction (2 digit with / without borrowing)
6. Tables 2 to 5
7. What comes after, before and between (0-200)
8. Shapes

#### **EVS**

1. Families (Type of Families / Relations)
2. Food (Different categories of food, food from plants, animals)
3. People who help us (Helper)
4. Clothes we wear
5. Plants around us (Herbs, Shrubs, Trees)



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**SYLLABUS FOR ADMISSION TEST – (2023-24)**

**Class – III**

**English**

1. The sentence (unjumble the jumbled words & Subject – Predicate)
2. Noun (Common & Proper)
3. Pronouns
4. Verbs (action words)
5. Adjectives
6. Articles (a, an, the)
7. Reading Comprehension
8. Paragraph Writing with given clues

**Hindi**

1. विलोम शब्द
2. पर्यायवाची शब्द
3. लिंग
4. समानलय वाले शब्द
5. भाषा
6. गिनती 1 से 20 तक
7. वचन
8. अनुच्छेद

**Maths**

1. Number names up to 1000
2. Addition, Subtraction, Multiplication, Division
3. Time
4. Ascending and Descending (3 digit number)
5. Geometry (Plane and Solid shape)
6. Table 2 to 12

**EVS**

1. My Family
2. Food We Eat (Types of Food)
3. Plants our Friends
4. Water (Uses of Water)
5. The Animal World (Types of Animals, Habitat, food Habits)
6. Means of Transport
7. Festivals



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## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – IV**

#### **English**

1. The Sentence
2. Punctuation
3. Nouns
4. Pronouns
5. Adjectives
6. Articles
7. Verb
8. Prepositions
9. Reading Comprehension
10. Paragraph Writing

#### **Hindi**

1. संज्ञा
2. सर्वनाम
3. वचन
4. लिंग
5. शुद्ध वर्तनी
6. पर्यायवाची
7. अनुच्छेद – (धार्मिक त्योहार)
8. पत्र
9. अपठित गद्यांश

#### **Maths**

1. Number System (Number Names, Place Value Chart)
2. Addition, Subtraction, Multiplication, Division
3. Fraction (Naming fraction, Numerators, Denominators)
4. Money – (conversion of money, addition & subtraction of money)
5. Measurement of length, weight & capacity (conversion)
6. Geometry- (Plane and solid shapes)

#### **EVS**

1. Water (sources, uses of water)
2. Means of Transport
3. Human Sense Organs
4. Parts of plant
5. The World of Animals
6. Houses we build
7. Food we eat



# **KDB PUBLIC SCHOOL, KAVI NAGAR, GHAZIABAD**

## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – V**

#### **English**

1. The Sentence (unjumble the jumbled words and subject – predicate)
2. Punctuation
3. Nouns (Kind)
4. Pronouns
5. Articles
6. Adjectives
7. Verbs and Tenses (Simple and Continuous)
8. Adverbs
9. Preposition
10. Conjunctions
11. Reading Comprehension
12. Paragraph Writing

#### **Hindi**

1. विलोम शब्द
2. पर्यायवाची शब्द
3. संज्ञा
4. सर्वनाम
5. विशेषण
6. अपठित गद्यांश
7. पत्र
8. अनुच्छेद

#### **Maths**

1. Indian System of Numeration-Number Names and Place Value Chart
2. Addition, Subtraction, Multiplication, Division
3. Money (Conversion, Addition, Subtraction, Multiplication, Division)
4. Fractional Number
5. Time
6. Measurement of length, weight & capacity (Conversion)
7. Geometry (Plane & Solid Shapes and its Perimeter)

#### **EVS**

1. Farming ( Crops and their cultivation)
2. How plants grow
3. Food we eat
4. Fuels for vehicles
5. Water (Sources, uses, aquatic animals and plants)
6. Monuments of India



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## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – VI**

#### **English**

1. Unseen passage
2. Creative writing (Paragraph, Picture Composition etc.)
3. Letter writing (Formal and Informal)
4. Parts of speech (Noun, Pronoun, verb, adjectives, adverb, preposition etc.)
5. Articles (A, An, The)
6. Short Story Writing
7. Sentence and its kind/ syntax
8. Punctuation
9. Tenses

#### **Hindi**

1. भाषा
2. लिपि
3. व्याकरण
4. लिंग, वचन
5. शुद्ध वर्तनी
6. अनुच्छेद लेखन
7. अपठित गद्यांश

#### **Maths**

1. Indian and International system of Numeration – Number Name and Place value chart
2. Decimal-Number name and place value chart, Changing fraction into decimal, Addition, Subtraction.
3. Simplification using 'BODMAS'
4. Fractions
5. Factors and Multiples
6. Division, multiplication, subtraction, addition (word problem)
7. Measurement
8. Area, Perimeter and Volume
9. Speed, Distance and Time
10. Money

#### **Science**

1. Animals- Sense organs
2. Water – sources of water, floating and sinking object, soluble and insoluble substances, diseases spread by mosquitoes.
3. Food - spoilage of food, prevention of spoilage of food
4. Space – Moon, Earth, Map & Globe
5. Plants – Germination of Seeds, Insectivorous
6. Natural Disaster – Earthquake, Famine.





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## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – VII**

#### **English**

1. Comprehension (Unseen Passage)
2. Paragraph Writing
3. Letter Writing (Formal), Leave application / Story writing
4. Tenses
5. Parts of speech
6. Determiners/Articles/personal pronoun/Adverbs – kinds of adverbs
7. Adjectives (Degrees of Comparison)
8. Sentence Construction
9. Synonyms
10. Antonyms

#### **Hindi**

1. संज्ञा
2. सर्वनाम
3. वर्ण विचार
4. लिंग, वचन
5. पत्र लेखन
6. अनुच्छेद लेखन
7. अपठित गद्यांश

#### **Maths**

1. Number System (Whole No, Natural No., Roman Numerals) and its application
2. Factor/Multiples (H.C.F, L.C.M, Divisibility rules, prime- number, composite number)
3. Integers (Addition, Subtraction with and without using number line)
4. Decimals and Fractions (Special focus on Addition & Subtraction)
5. Area and Perimeter of Square and Rectangle
6. Basic Geometrical Concepts (Angles, Triangles, Circles, Quadrilaterals)
7. Simple equation

#### **Science**

1. Components of food & types, sources and their function
2. Getting to know plants :-Different types of plant, Functions of leaf ,Flower
3. Separation of substances:-Need of separation, Methods of separation
4. Motion and measurement of distance:- Standard Units of Measurement, Types of Motion
5. Light:-Luminous & Non Luminous objects, Transparent, Translucent and Opaque substances, Shadows, reflections.
6. Air around us – Composition, Atmosphere, How is Oxygen available to organisms? Wind mill.
7. Fibre to fabric – spinning, weaving, knitting, ancient and modern clothes.



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**Class – VIII**

**English**

1. Comprehension(Unseen Passage)
2. Paragraph Writing , Letter Writing, Story developing, notice
3. Parts of speech
4. Modals/Determiners/articles
5. Correct Forms of Verbs/Tenses
6. Jumbled sentences
7. Voice

**Hindi**

1. विशेषण
2. क्रिया
3. क्रिया विशेषण
4. वाक्यगत अशुद्धियाँ
5. शब्द संपदा
6. कहानी लेखन
7. अनुच्छेद लेखन
8. पत्र लेखन
9. अपठित गद्यांश

**Maths**

1. Simple Equations
2. Exponents (Laws of exponents and their application)
3. Algebraic Expression
4. Lines and Angles (Special Focus on Parallel lines and its properties).
5. Mensuration (Area and Perimeter of Square, Rectangle, Triangle, Parallelogram, Circle)
6. Comparing quantities (Percentage, Ratio, Profit and Loss, Simple Interest)
7. Understanding triangles and its properties.
8. Properties of Rational Number

**Science**

1. Nutrition in Plants :-Modes of Nutrition ,Photosynthesis ,Symbiosis
2. Nutrition in Animals:- Digestion ,Digestive system of humans ,Arrangement and types of teeth of humans
3. Acid ,Bases and Salts:- Properties of Acids, Bases and Salts ,Indicators, Neutralization
4. Physical and Chemical changes:- Difference between physical and chemical changes, Rusting of iron.
5. Heat :-Modes of transfer of heat, Sea Breeze and Land Breeze
6. Electric current and its effect – symbols, electric circuits, Heating and magnetic effect of electric current, fuse, electromagnets.



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## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

**Class – IX**

### **English**

1. Comprehension(Unseen Passage)
2. Paragraph Writing
3. Letter (Formal/Informal)
4. Tenses
5. Active-Passive
6. Direct-Indirect
7. Parts of speech.
8. Sentence-Construction

### **Hindi**

1. उपसर्ग
2. प्रत्यय
3. विराम चिह्न
4. कारक
5. संधि
6. समास
7. वाक्य विचार
8. संवाद लेखन
9. पत्र लेखन
10. अनुच्छेद लेखन
11. पर्यायवाची शब्द
12. अलंकार

### **Maths**

1. Rational Number (Basic Concepts and Their Operations)
2. Powers (Laws of Powers and Their Applications)
3. Square and Square Roots , Cube and Cube Roots
4. Algebraic Expressions
5. Quadrilateral and their Properties (Square, rectangle, parallelogram, rhombus )
6. Mensuration (Cylinder Cube, Cuboids)
7. Profit & Loss, Percentage, Compound Interest
8. Linear Equations

### **Science**

1. **Solar System** :-Phases of Moon, Stars, Constellations, Solar System, Planets, Meteors, Meteorites, Asteroids, Comets, Artificial Satellite.
2. **Metals and Non-Metals** :-Occurrence ,Metallurgy, Physical and Chemical properties of Metals and Non-Metals ,Uses-Metal and Non-Metals ,Noble Metals, Corrosion
3. **Reproduction**:-Modes of Reproduction, Male and Female Reproductive Organs, Fertilization, Development of Embryo, Oviparous and Viviparous animals.
4. **Light**:- Laws of Reflection, Lateral inversion, Regular and Diffused Reflection , Multiple Images, Kaleidoscope, Dispersion of Light, Human Eye.
5. **Coal and Petroleum**:- Inexhaustible and Exhaustible Natural Resources. Coal –Products (coke, coal tar, coal gas). Petroleum- Refining, constituents of petroleum, Natural Gas. Preservation of Exhaustible Resources.
6. **Pollution of Air and Water**:-Air Pollution acid rain, green-house effect. Water pollution etc.causes Potable water. Prevention of pollution.



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**SYLLABUS FOR ADMISSION TEST – (2023-24)**

**Class –X**

**English**

1. Reading Passage
2. Notice / Message
3. Letter (Formal/Informal)
4. Article Writing
5. Tenses
6. Active-Passive
7. Direct-Indirect
8. Parts of speech

**Maths**

1. Rational Number, Irrational Numbers and Exponents
2. Polynomials(Factorization using Identities ,Factor Theorem ,Remainder Theorem )
3. Linear Equation in Two Variables(Basic Concepts and their Graphs)
4. Congruent Triangles
5. Lines, Angles, Triangles (Basic Concepts & Properties)
6. Mensuration (Cone, Cylinder, Sphere, Cube, Cuboids)
7. Area of triangle by Heron's Formula and other cases.

**Hindi**

1. अनुच्छेद / संवाद लेखन
2. पत्र लेखन – औपचारिक / अनौपचारिक
3. उपसर्ग, प्रत्यय
4. समास, भेद
5. अलंकार – शब्दालंकार, अर्थालंकार।
6. वाक्य भेद – अर्थ के आधार पर।
7. अपठित गद्यांश, पद्यांश।

**Science**

1. **Matter in our Surroundings**  
Characteristics of Matter, States of Matter – Solid, Liquid and Gaseous State, Change of State, Evaporation
2. **Cell : Fundamental Unit of Life**  
History of Cell, Variety of Cells, Parts of Cell – Nucleus, Cell Organelles, Cell Membrane, Cell Wall, Prokaryotic and Eukaryotic Cell
3. **Motion**  
Motion in Straight Line, Uniform and Non Uniform Motion, Velocity, Acceleration, Distance - Time Graph, Velocity – Time Graph, Equations of motions, Circular Motion.
4. **Sound**  
Propagation of Sound, Speed of Sound in various medium, Reflection of sound applications SONAR.
5. **Structure of Atoms**  
The structure of an atom, models of an atom given by different scientists and their drawbacks.  
Distribution of electrons in different Orbits, Valency, Atomic Number, Mass Number, Isotopes and isobars, their applications.
6. **Natural Resources**  
Breath of Life Air  
The role of atmosphere in climate control. Rain, water – Mineral Riches in Soil, Pollution Caused by Air, Water and Soil, Bio geo Chemical Cycles, Water Cycle, Nitrogen Cycle, Carbon Cycle, Oxygen Cycle, Green House Effect, Ozone Layer depletion



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## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – XII (SCIENCE STREAM)**

#### **Physics**

1. Units and Measurement: Introduction, Dimension of physical quantities, Dimensional formulae and dimensional equations, Dimensional analysis and its applications.
2. Kinematics and Laws of Motion: Motion in a straight line and motion in a plane, equations of motion, Vectors, Projectile motion. Newton's first law of motion, Newton's second law of motion, Newton's third law of motion, Conservation of Momentum, Circular Motion.
3. Work, Power and Energy: Introduction, The work energy theorem, Kinetic energy, The work energy theorem for variable force, The work done by variable force, The concept of potential and kinetic energy, Power, Collisions.
4. Mechanics of Fluids: Introduction, Pressure, Buoyancy and Archimedes' principle, streamline flow, Bernoulli's principle, Viscosity and Stokes' law, Terminal Velocity, Reynolds number, Surface Tension.

#### **Chemistry**

1. Basic concept of Chemistry: Mole concept, laws of chemical combination, Percentage composition and molecular formula. Limiting reagent, Stoichiometry of reaction in solutions.
2. Atomic structure: photoelectric effect, Dual nature of matter, Quantum no., Filling of orbital in atoms, Electronic configuration of atom
3. Classification of elements and periodicity properties – Ionization Enthalpy, Electron gain enthalpy, Electronegativity.
4. Chemical bonding: Lewis structure, VSEPR theory, Shape of molecule, Hybridization, Molecular orbital theory.
5. Equilibrium – Rate Law, Common ion Effect, Solubility Product, pH of Solution.
6. Nomenclature of organic compounds(IUPAC)

#### **Maths**

Sequence and series, Trigonometry, Conic sections, Permutations and Combinations, Linear inequations, Circle, Relations and Functions, Limits and derivatives.

**OR**

#### **Biology**

1. Cell and cell division: Discovery of cell, Cell theory, Structure of cell, Prokaryotic cell and its organization, Eukaryotic cell and its organization, Micro molecules and Macromolecules of the cell, Cell cycle, Mitosis and Meiosis Cell division, Enzymes
2. Morphology and Anatomy of Plants, Animal tissues.
3. Plant physiology –Photosynthesis, Respiration.
4. Animal physiology –Digestion, Circulation, Excretion, Nervous System and Endocrine System.

#### **English**

1. Comprehensive passage
2. Factual Description/Report Writing
3. Notice/ Advertisements/ Posters
4. Letter Writing/Article Writing/ Speech/ Debate
5. Active Passive, Narration, tenses.



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## **SYLLABUS FOR ADMISSION TEST – (2023-24)**

### **Class – XII (COMMERCE STREAM)**

#### **Accounts**

1. Final accounts with adjustment
2. Depreciation
3. Journal entries
4. Cash book
5. Basic terms of Accountancy
6. Theory base of Accounting

#### **Economics**

1. Indian economic development
  - Current Challenges facing Indian Economy - Poverty and Unemployment, Agriculture and Industry.
  - New Economic Policy of 1991-LPG
2. Elementary Statistics:
  - Measure of Central tendency
  - Mean, Mode and Median

#### **English**

1. Comprehensive passage
2. Factual Description/Report Writing
3. Notice/ Advertisement/ Posters
4. Letter Writing/Article Writing/ Speech/ Debate
5. Active Passive, Narration, tenses

**OR**

#### **Maths**

Sequence and Series, Trigonometry, Conic Sections, Permutations and Combinations, Linear inequations, Circle, Relation and Functions, Limits and derivative.



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**Class –XI**

**For PCM, PCB – English, Maths and Science**

**For Commerce with Maths and without Maths – English, S.St and Maths**

**For Humanities – English and S.St.**

**English (For All Streams)**

1. Unseen Passage
2. Letter – Formal, Informal
3. Paragraph Writing
4. Article Writing
5. Notice Writing
6. Parts of Speech
7. Active Passive Voice
8. Direct Indirect Speech
9. Tenses
10. Jumbled Words
11. Error Correction
12. Integrated Grammar

**Maths (For PCM and Commerce with Maths Stream)**

1. Polynomials
2. Linear Equations
3. Quadratic Equations
4. Trigonometry & its Application
5. Co-ordinate Geometry
6. Probability
7. Surface Areas & Volumes of Combinations of Solids
8. Area related to circles.

**Maths (For PCB and Commerce without Maths Stream)**

1. Statistics
2. Linear Equation
3. Surface Area & Volume

**Science (For PCM & PCB Stream)**

1. Chemical Reactions and Equations
2. Carbon and its compound
3. Periodic classification of elements
4. How do organisms reproduce
5. Electricity, Magnetic effect of electric current, Reflection and Refraction on spherical surfaces.

**Social Science (For Humanities and Commerce without Maths Stream)**

1. History – Nationalism in India
2. Civics – Popular Struggles, Political Parties
3. Geography – Minerals and Energy Resources, Resources and Development
4. Economics – Money and Credit, Globalization.