

SYLLABUS FOR ADMISSION TEST

CLASS – III

Education at DAV is aimed at producing students who not only excel in academics but will also be imbued with social and ethical values, skills and attitudes to contribute positively to society, therefore, the admission process is designed to test both aptitude and attitude.

ENGLISH

- Naming words, describing words, action words, sentence construction.
- Use of is/are/am/was/were/has/have/had.
- Use of capital letters, full stop and question mark, pronouns (he, she, it, they, his, her, them).
- Articles (a, an) singular / plural, homophones, rhyming words, preposition, opposites, gender.
- Comprehension, picture comprehension
- Paragraph writing

MATHS

- Numbers upto 999, number name, before & after, expansion (short or compact form) greater than, less than, skip counting, place/face value.
- Simple carry over 3 digit addition.
- Simple borrowing 3 digit subtraction.
- Addition word problem.
- Subtraction word problem.
- Multiplication by 1 digit number, multiplication table from 2 – 10, time.
- Geometry Basic shapes(2D).
- Mental Maths.

HINDI

- अक्षर माला, विचरित शब्द, एक औषध अनेक, लिंगा अक्षर, अक्षर अक्षर, शब्द शुद्ध करे, 1 - 20 तक की गिनती, अमान अर्थ आले शब्द, अक्षर रचना

BENGALI

- যুক্তাক্ষর দিয়ে শব্দ ।
- শব্দার্থ
- বিভিন্ন পশু, পাখি, ফুল, ফল, যানবাহন, রঙ ।
- বিভিন্ন কাজ করা ।(যেমন, পাখি আকাশে ওড়ে ।)
- শূন্যস্থান পূরণ করা ।
- বাক্য রচনা ।
- বাংলা সংখ্যা ও সংখ্যার নাম ১-৫০ (এক -- পঞ্চাশ)

Class – IV

Education at DAV is aimed at producing students who not only excel in academics but will also be imbued with social and ethical values, skills and attitudes to contribute positively to society, therefore, the admission process is designed to test both aptitude and attitude.

ENGLISH

- Articles, Nouns, Singular and Plural, Pronouns, Adjectives, Verbs, Tenses, Adverb, Punctuation, Preposition, Conjunction, Gender, Opposites.
- Composition, Comprehension, Sentence Construction, Vocabulary, Paragraph writing.

MATHS

- Number upto 9999, place and face value, ascending and descending order, expanded form.
- Addition (4 digit no, simple carry over), Subtraction (4 digit no, borrowing), Multiplication (By single digit and double digit), Division (Single digit division) Table 2 – 10.
- Word Problems on all operations
- Metric System.
- Geometry : Basic shapes (Plane and Solid) drawing and measuring of line segment.

HINDI

- अंज्ञा, लिंग, उचन, अर्थनाम, विशेषण, त्रिलोम शब्द, पर्यायवाची शब्द, अपठित मद्यंश, अशुद्ध शब्दों उ आक्यों को शुद्ध करना, अनुच्छेद लेखन

BENGALI

- যুক্তাক্ষর শব্দ ও তার অর্থ এবং বাক্যে প্রয়োগ ।
- বিপরীত শব্দ ।
- বিশেষ্য ও বিশেষণ (উদাহরণ ও প্রয়োগ) ।
- সংখ্যার নাম ১ --- ১০০, বিষয় :- ১। পশু
২। পাখি ৩। ফুল ৪। ফল ।
- সমার্থক শব্দ - যেমন - মা , বাবা, আকাশ, নদী ।

Class – V

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ENGLISH

- Composition, Comprehension.
- Parts of Speech, Nouns, Pronouns, Verbs, Adverbs, Adjectives, Tenses (Simple/Continuous).
- Noun, Numbers and Gender, Articles, Punctuation.
- Agreement of verb with subject, Subject-Predicate.
- Construction of sentences.
- Vocabulary.

MATHS

- Number system (upto ten lakhs) : notation, expanded form, places value, ascending and descending order.
- Addition, Subtraction (5 digit numbers) Multiplication (3 to 4 digit numbers), Division (4 to 5 digit numbers by 2 digit numbers).
- Problems on the four operations.
- Fractions : Kinds of fraction, comparison, addition and subtraction of like fractions.
- Time : 12 hour time, 24 hours time, calendar time.
- Length : weight and capacity : conversion, addition, subtraction, word problems.
- Money : conversion, addition, subtraction, bill sums, word problem.
- Area of Square and Rectangle, Perimeter.
- Circle : Parts of a circle.
- Patterns : Number, shapes, letters of the alphabet.
- Representation : Bar graph, Pictograph.

EVS**Plant life**

- How plants make food and process of photosynthesis.
- Parts of a plant and their function.
- Uses of plants.

Animal life

- Care of Animals.
- Birds – Nests, Beaks, Claws.
- Food- Nutrients, Sources of nutrients.

Water

- Sources of water.
- Uses of water.

HINDI

- अपठित गद्यांश, अनुच्छेद लेखन, शब्दों का आक्षेपों में प्रयोग, लिंग, प्रचन, बहुवचन आक्षेपों का अर्थोद्यन, विपरीतार्थक शब्द, पर लेखन, मुहावरे
- आक्षेपों में शब्दों को क्रमपूर्वक लिखना, विक्त अर्थों की उचित शब्दों द्वारा पूर्ति

BENGALI

- শব্দের অর্থ এবং বাক্যে প্রয়োগ ও বানান ।
- বিশেষ্য, বিশেষণ ও ক্রিয়া -- বাক্যে কীভাবে ব্যবহার হয় । এককথায় লেখ (যেমন - যে মাটির জিনিস তৈরি করে = কুমোর, বাঘ সিংহের ডাক - গর্জন)।
- গদ্য করে লেখ । (যেমন- ‘পারিব না একথাটি বলিও না আর’, উত্তর : ‘ পারিব না ’ - একথাটি আর বলিও না ।)
- বিপরীত শব্দ ।
- লিঙ্গ ।
- বোধ পরীক্ষণ (Comprehension) ।
- অনুচ্ছেদ (১০টি বাক্যে)
- বিষয় : বিভিন্ন ঋতু, উৎসব, গৃহপালিত ও বন্য পশু ।

Class – VI

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ENGLISH

- Composition , Comprehension.
- Parts of Speech, Articles, Punctuation (Contracted form, possessive form). The Sentence, Tense. Use of the apostrophe.
- Singular & Plural form / Genders, Sentence construction. Agreement of the verb with the subject
- Vocabulary, Synonyms, Antonyms, Homonyms, Homophones.

MATHS

- Number System : Indian System (upto ten crores) International system (up to ten millions) Place Value and Face Value, expanded form, Predecessor and Successor, Ascending and Descending order.
- Factors and Multiples : Prime number, Composite number, Test of Divisibility, Prime factorization, H.C.F. and L.C.M.
- Fraction : Proper, Improper, Mixed Fractions, Addition and Subtraction of fractions.
- Decimals : Conversion, Place value, Addition and Subtraction of decimals.
- Problem Sums : Four Operations : Statement problems.
- Geometry : Line, line segment, Ray, Angles (acute, obtuse, right, straight) Circles.
- Area and Perimeter of square and rectangle.

EVS – Science

- Animals.
- The Human Skeletal System.
- Nervous System.
- How do plants reproduce?
- Matter.
- Health and Diseases.
- Force.

- Energy.
- Air and Water.
- The solar system.
- Natural Disaster.
- Saving the Environment.

HINDI

- अपठित गद्यांश, अनुच्छेद लेखन, गद्यांश से लिए गए शब्दों का निजी आक्यों में प्रयोग, शब्दार्थ, आक्य रचना, लिंग, प्रचन, पत्र लेखन (औपचारिक और अनौपचारिक), महापत्रे
- अशुद्ध आक्यों का संशोधन, विपरीतार्थक शब्द, पर्यायवाची शब्द
- रिक्त स्थानों की उचित शब्दों द्वारा पूर्ति

BENGALI

- ধ্বনি ও বর্ণ ।
- সমার্থক শব্দ :
(নদী, পাহাড়, সাগর, বায়ু, জল, মানুষ ইত্যাদি) ।
- বিপরীতার্থক শব্দ ।
- স্বরসন্ধি ।
- লিঙ্গ ।
- বচন ।
- অনুচ্ছেদ : প্রাণী বিষয়ক (কুকুর, গরু, বাঘ, সিংহ, ময়ূর) ঋতু বিষয়ক (গ্রীষ্ম -- বসন্ত), উৎসব বিষয়ক (দুর্গাপূজা, দোল, বড়দিন, স্বাধীনতা দিবস) ।
- চিঠি লেখা (ব্যক্তিগত চিঠি, বন্ধুকে লেখা, বাবা-মাকে লেখা)।
- বোধ পরীক্ষণ (Comprehension) ।

Class – VII

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ENGLISH

- Composition, Comprehension, Letter writing.
- Direct/Indirect Speech, Use of Apostrophe, Genders, Parts of Speech, Articles, Punctuation.
- Sentence Construction, Vocabulary, Word building.

MATHS

- Knowing our numbers.
- Prime and composite numbers, L.C.M. & H.C.F. (Two, more than two numbers) problem.
- Integers.
- Fractions : BODMAS, word problems, Decimal fractions : changing decimal to fraction and fraction to decimal, place value, four operations, metric system.
- Unitary Method (direct).
- Perimeter and area of square and rectangle.
- Algebra : Like and Unlike terms, "x to the power of" substitution, Simple equations, Addition and Subtraction.
- Geometry : Types of angles (acute, right, obtuse, straight, reflex), (clock face), parallel lines and properties missing angles (about a point, on a line, in a triangle) types of triangles (scalene, isosceles, equilateral).

HINDI

- आपठित ढाहूयांश, अनुच्छेद लेखन, शुद्ध आक्य रचना, प्रियाम चिहन, संज्ञा, अर्थनाम, विशेषण, क्रिया, क्रिया विशेषण, पत्र लेखन (औपचारिक व अनौपचारिक)

- लिंग, वचन, अनेक शब्दों के लिए एक शब्द, पर्यायवाची शब्द, विपरीतार्थक शब्द, उपसर्ग प्रत्यय
- मुहावरे

SCIENCE

- Separation of substances.
- Changes around us.
- Habitat of living organisms.
- Components of food-vitamins, minerals, proteins, carbohydrates, fats, under & over nutrition, balanced diet.
- Human skeleton – Bone, cartilage, tendon, ligament, joints.
- Motion and measurement of distances.
- Light, shadows and Reflection.
- Electricity and circuits.
- Fun with magnets.

BENGALI

- পুরুষ ।
- সমার্থক শব্দ ।
- সাধু-চলিত ভাষা ।
- পদ পরিবর্তন ।
- স্বরসন্ধি।
- রচনা : (ক) জীবনী বিষয়ক, (খ) বর্ণনামূলক (উদাহরণ- তোমার দেখা একটি ঝড়ের দৃশ্য)
- পত্র রচনা (ব্যক্তিগত) ।
- বোধ পরীক্ষণ (Comprehension) ।

CLASS – VIII**Duration of Test : 2 Hours**

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ENGLISH

- Composition, Comprehension, Letter Writing.
- Parts of speech, Direct/Indirect speech, Use of apostrophe, Genders.
- Sentence Construction, Vocabulary, Idiomatic Expressions
- Tenses
- Voice

MATHS

- Fractions, decimals.
- Arithmetic : Simple Interest, Percentage, Profit and Loss, Ratio.
- Algebra : Algebraic expression, Terms, Factors, Coefficient, Like Terms, Unlike Terms, Finding the value of an algebraic expression, Exponents, Simple linear equations.
- Geometry : Parallel lines and angles associated with them, concept of lines and angles, triangles, Pythagoras theorem (application), Perimeter and area of square, rectangle, triangle.

HINDI

- प्रानुच्छेद लेखन, आक्य रचना, शब्द प्रिचार, शब्दों के भेद
- लिंठ, अचन, कारक, प्रानेक शब्दों के लिए एक शब्द, समानार्थक शब्द, प्रिपरीतार्थक शब्द, उपसर्ग प्रत्यय, मुहावरे
- प्रपठित गद्यंश

- पत्र लेखन (श्रौपचारिक, अश्रौपचारिक)

SCIENCE

- Acids, Bases and Salts.
- Physical and Chemical changes.
- Heat.
- Motion and Time.
- Electric current and its effect.
- Light.
- Nutrition in plants.
- Nutrition in animals.
- Respiration in organism.
- Transport in plants and animals.
- Reproduction in plants

BENGALI

- बाक्य : सरल, जटिल, -योगिक ।
- पद परिवर्तन ।
- समार्थक शब्द ।
- सक्ति : अरसक्ति, व्यञ्जनसक्ति, विसर्गसक्ति ।
- अनुच्छेद : (क) साम्प्रतिक घटना विषयक ।
(ख) समाज विषयक ।
(ग) जीवनी विषयक ।
- -वाध परीक्षण ।

SYLLABUS FOR ADMISSION TEST

Class - IX

Duration of Test : 2 Hours

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ENGLISH

- Comprehension, Composition, Letter Writing.
- Parts of Speech, Reported Speech, Subject-Verb Agreement, Active-Passive Voice.
- Vocabulary, Sentence Construction, Idiomatic Expressions.
- Tenses
- Modals
- Determiners

MATHS

- Square and square root.
- Cubes and cube root.
- Rational Numbers.
- Comparing Quantities.
- Algebraic Identities & Algebraic Expression.
- Factorisation.
- Linear Equation in one variable & Word problems.
- Direct and Indirect variations.
- Mensuration.
 - a. Area of Circle, Trapezium, Rhombus.
 - b. Surface Area & Volume of solids (Cuboid, Cube, Cylinder).

HINDI

- अपठित गद्यांश
- अनुच्छेद लेखन
- पत्र लेखन (अनौपचारिक, औपचारिक)
- शुद्ध वाक्य रचना
- कारक
- समास
- पर्यायवाची शब्द,

- पर्यायवाची शब्द,
- विराम चिह्न
- उपसर्ग – प्रत्यय
- वाक्य परिवर्तन
- मुहावरे

SCIENCE

- Combustion & Flame.
- Coal & Petroleum.
- Chemical effects of electric current.
- Force and Pressure.
- Friction.
- Sound.
- Light.
- Crop – Production and Management
- Microorganism – Friends and Foe
- Reproduction in animals.
- Adolescence.
- Conservation of plants & animals.

BENGALI

- স্বরসন্ধি ও ব্যঞ্জনসন্ধি
- সমাস (সম্পূর্ণ)
- শব্দ ও বাক্যগত অশুদ্ধি সংশোধন
- বাক্য পরিবর্তন (অর্থগত) – অন্ত্যর্থক, নঞর্থক ইত্যাদি
- প্রবন্ধ
- চিঠি
- বোধ পরীক্ষণ