

Entrance Syllabus

Class – 1

ENGLISH:

- Two and Three letter words (and the related exercises)
- Rhyming Words
- A – Z (capital)
- a-z (small)
- Concepts: This, That, one & many, opposites, yes or no

हिन्दी:

- स्वर (अ से अः तक)
- व्यंजन (क से ज्ञ तक)
- अतिरिक्त व्यंजन
- दो, तीन एवं चार अक्षरों वाले शब्द तथा बिना मात्रा के वाक्य और संबन्धित अभ्यास

MATHS:

- Numbers 1 to 50 – Missing Numbers, Count & Match, Count & Write
- Backward counting (30 to 1 – Missing numbers)
- What comes after, before and between (1 – 20)
- Numbers names 1 – 20 – count and write the nos & no names.
- Addition & Subtraction sums (single digit)
- Comparison of nos. (<, >, =)

Entrance syllabus Class- 2

English:

- Use of is, am, are, has, have
- Doing Words
- Use of this, that, these, those
- Describing words
- Articles a/ an
- Position Words
- Basic punctuation – capital letter, full stop & question mark
- Opposites
- Pronouns
- Gender
- Naming words
- One – many
- Unseen Passage
- Creative writing

हिन्दी:

- दो,तीन, तथा चार अक्षरों के शब्द (मात्राओं वाले)
- वाक्य बनाना, चित्रों को पहचान कर उनका नाम लिखना
- गिनती (1-10) शब्दों में व अंको में
- दिये गए खाली स्थानों में उचित शब्द भरना
- एक – अनेक
- रंगों के नाम
- अंगों के नाम
- फलों व सब्जियों के नाम
- दिनों व महीनों के नाम

Maths:

- Nos names upto 100
- Finding Greater than & Lesser than nos (1 – 100)
- Arranging nos in ascending and descending order, preceding & succeeding nos, nos in between
- Addition & Subtraction (without carrying and borrowing) (story sums)
- Skip count by 2, 5, and 10
- Tables 2, 5 & 10
- Identification of basic 2D shapes

Entrance syllabus Class – 3

English:

- Naming Words (Nouns – proper, common, collective)
- Action words (Verbs)
- Articles
- Describing words (Adjectives)
- Prepositions
- Gender
- Opposites
- Basic punctuation marks
- Tenses (Simple, Present, Past, Future)
- Adverbs
- Pronouns
- Subject & Predicate
- Sentences
- Singular / Plural Nouns
- Comprehension Passage
- Picture Composition
- Paragraph Writing

हिन्दी:

- अपठित गद्यांश
- संज्ञा, क्रिया
- सर्वनाम, विशेषण
- लिंग, वचन, पर्यायवाची
- विलोम शब्द
- रचनात्मक लेखन
- गिनती हिन्दी अंकों व शब्दों में – एक से तीस तक

MATHS:

- Writing numbers and number names upto 999
- Arranging numbers in ascending and descending order, preceding and succeeding numbers, numbers in between, place and face value, expanded and standard form, comparison of numbers.
- Addition and subtraction of 3 digit numbers (carrying + borrowing)
- Simple multiplication of three digit numbers- by single digit number
- Basic 2D & 3D shapes
- Ordinal nos
- Odd & Even
- Simple Division (3 digit by 1 digit)
- Fractions

Entrance syllabus Class – 4

ENGLISH:

- Paragraph Writing
- Age Appropriate Comprehension
- Unseen Passage
- Informal Letter Writing
- Nouns
- Gender of Nouns
- Singular & Plural
- Pronouns
- Adjectives
- Prepositions
- Articles
- Conjunctions
- Verbs
- Adverbs
- Subject & Predicate + Compound Subject & Compound Predicate
- Antonyms & Synonyms
- This, That, These, Those (As determiners)
- Tenses – Simple Present & Present Continuous, Simple Past & Future Tense
- Punctuation Marks

हिन्दी:

- संज्ञा
- क्रिया
- सर्वनाम
- विशेषण
- पर्यायवाची शब्द
- विलोम शब्द
- गिनती हिन्दी अंकों व शब्दों में – एक से पचास तक
- अपठित गद्यांश / पद्यांश
- लेखन कौशल – वाक्य रचना करना
- अनुच्छेद लेखन

MATHS:

- **Geometry:** Shapes & Special Understanding.
- **Identification of basic 3D shapes:** Cuboid, Cylinder, Cube, Cone & Sphere by their names.
- **Identification of basic 2D shapes:** Rectangle, Square, Pentagon, Hexagon, Triangle & Circle by their names – free hand drawing.
- **Numbers:** Numbers upto 9999 – Numbers with respect to place value, arranging numbers in ascending & descending order, expanded & standard form, comparison of numbers.
- Addition & Subtraction of four digit numbers.
- Multiplication & Division of four digit numbers by a single digit.
- Basic Introduction to Money, Measurement, Fraction, Patterns & Time.

Entrance syllabus Class –5

ENGLISH:

- Comprehension from Unseen Passage
- Informal Letter Writing
- Nouns
- Articles
- Subject & Predicate
- Tenses – Simple Present Continuous, Past & Future Tense
- Adjectives
- Verbs
- Prepositions
- Letter of Formal application to Principal of school

MATHS:

- Fractions
- Length & Area
- Weight & Capacity
- Time & Money

EVS:

- Air & Water
- Habitats
- Living World - Plants
- Food
- Our Homeland - India

Entrance syllabus Class –6

ENGLISH:

- Comprehension from unseen passage
- Letter & Paragraph writing
- Identification of parts of speech & articles
- Preposition
- Tenses

Maths:

- Fractions, Decimals
- Length, Perimeter & Area
- Weight & Capacity
- Time & Money

Science:

- Plants & Seeds
- Adaptation
- Climate on Earth
- Animals
- Energy & Simple Machines
- Earth & Space

Entrance syllabus Class – 7

English:

- Comprehension From Unseen Passage
- Formal letter writing
- Informal diary writing
- Tenses
- Articles
- Reported Speech
- Conjunction
- Identification of parts of speech
- Pronouns

MATHS:

- Properties of whole numbers
- Integers & Fractions (only addition and subtraction, not multiplication and division)
- General Algebraic expression
- Ratio & Proportion
- Understanding elementary shapes (Triangle, Quadrilateral, 3D)
- Symmetry
- Basic problems relating to perimeter and area
- Playing with numbers
- Decimals

PHYSICS:

- Electricity and circuits
- Fun with magnets

CHEMISTRY:

- Changes Around Us
- Separation of substances
- Air around us

BIOLOGY:

- Getting to know plants
- Body movements in human beings and other animals

Entrance syllabus Class – 8

English:

- Comprehension from unseen passage as well as from poems
- Formal letter writing
- Article writing
- Paragraph Writing
- Tenses, Active & Passive voice
- Reported Speech
- Preposition
- Connectors
- Modals
- Determiners & Articles
- Jumbled up sentences

Maths:

- Multiplication & Division of Integers & Fractions
- Rationals & Decimals
- Natural nos as exponents (Bases can be rational nos)
- Algebraic expressions (positive & negative only)
- Linear equation in one variable
- Complementary, Supplementary, Adjacent, Vertically Opposite, Linear pair, Corresponding, Alternate & Co – interior angles(only pairs)
- Parallel lines
- Triangle angle sum, exterior angle, side sum properties and Pythagoras theorem
- Ratio – Proportion, Unitary method, Profit & Loss, Simple Interest, Percentage (Basic concepts only)

PHYSICS:

- Electric current & its effects
- Light

CHEMISTRY:

- Acids, Bases & Salts
- Physical & Chemical changes

BIOLOGY:

- Excretion & Transportation in living organisms
- Reproduction in plants

Entrance syllabus Class – 9

ENGLISH:

- Comprehension from unseen passage as well as from poems
- Letter writing (formal/informal)
- Article writing
- Articles
- Determiners
- Active & Passive Voice
- Modals
- Reported speech
- Connectors
- Verb forms (Tenses)

MATHS:

- Square and Square roots, Cube and cube roots, Exponents & Radicals
- Algebraic identities and their applications in factorization of polynomials
- Linear equation in one variable: Solution of equations and application of linear equations (word problem)
- Profit & Loss problems
- Quadrilaterals (Basic concepts)
- Compound interest
- Volume & Surface area

PHYSICS:

- Some natural phenomena
- Light
- Stars & the solar system

CHEMISTRY:

- Combustion & Flame
- Air & Water pollution
- Chemical effects of electric current

BIOLOGY:

- Reproduction
- Reaching the age of adolescence

ENGLISH:

- Comprehension from unseen passage as well as from poems
- Active & Passive Voice
- Modals
- Prepositions
- Tenses
- Omission / editing of passages
- Jumbled words
- Letter to the editor
- Informal letter writing
- Reported speech
- Report writing, Article writing

MATHS:

- Quadrilaterals
- Area of parallelograms & triangles
- Surface area & volumes
- Circles
- Statistics & Probability (Basic concepts)
- Linear equation in two variables

PHYSICS:

- Floatation
- Work, Energy & Power
- Sound

CHEMISTRY:

- Atoms & Molecules
- Structure of atoms

BIOLOGY:

- Diversity in the living world
- Why do we fall ill

Entrance syllabus Class – 11

1. For PCM combination, the entrance test will be based on English, Physics, Chemistry & Maths (Part A).
2. For PCB combination, the entrance test will be based on English, Physics, Chemistry & Biology .
3. For Commerce with Maths, the entrance test will be based on English & Maths (Part A).
4. For Commerce without Maths, the entrance test will be based on English & Maths (Part B).
5. For Humanities, the entrance test will be based on English & a General Awareness Paper.

The detail of the syllabus is as under:

English (Science + Commerce + Humanities) –

(FOR STUDENTS OPTING FOR PCM, PCB, COMMERCE WITH MATHS, COMMERCE WITHOUT MATHS AND HUMANITIES STREAM)

The question paper will comprise of 3 sections: Reading, Writing & Grammar

A – Reading

- Comprehension from unseen passage. The passage may be factual, discursive or literary.

B – Writing

- Formal & Informal letters
- Article writing
- Report writing
- Composition based on verbal & / or visual stimulus such as a diagram, picture, graph ,map, cartoon or flow chart

C – Grammar

- Tenses, Active & Passive, Reported Speech, Determiners, Prepositions, Clauses, Nominalization, Sentence reordering

Maths:

Part A – (for students opting for PCM or COMMERCE with MATHS combination)

- Trigonometry (Including height & Distance)
- Quadratic Equation
- A.P
- Co-ordinate Geometry
- Probability
- Volume & Surface area
- Area related to circle
- Circle

Part B – (for students opting for COMMERCE without MATHS combination)

- Percentage, Profit & Loss, Unitary method, Average , Simple Interest (for all topics fundamental concepts will be tested)

Physics:

(For students opting for PCM or PCB combination)

- Electricity
- Magnetic effects of current
- Sources of energy
- Light : reflection & refraction
- Human eye & the colourful world

Chemistry :

(For students opting for PCM or PCB combination)

- Chemical Reactions
- Acids, Bases & Salts
- Metals & non – metals
- Carbon & its compounds
- Entrance syllabus Classifications of elements & periodicity in proportion

Biology :

(For students opting for only PCB combination)

- Life processes in plants & humans
- Reproduction in organisms
- Control & Co – ordination
- Heredity & Evolution
- Our Environment

General Awareness :

(For students opting for HUMANITIES only)

- Current Affairs & General Knowledge