



YADAVINDRA PUBLIC SCHOOL, PATIALA
SYLLABUS FOR ENTRANCE EXAMINATION 2020-21

CLASS – IV
SUBJECT: ENGLISH

1. Subject and Predicate
2. Collective Nouns
3. Material Nouns
4. Singular – Plural
5. Verb Tenses – Simple Present, Simple Past and Simple Future
6. Articles : Uses of A, An and The
7. Opposites
8. Adjectives
9. Prepositions
10. Punctuation
11. Short Forms (e.g. I am – I'm)
12. Personal Pronouns
13. Comprehension
14. Composition

SUBJECT: MATHEMATICS (1 HOUR)

1. Place – Value, Numbers (4 – digit numbers), f.v, number names, numerals, comparison of numbers.
2. Addition: Addition of 3 digit numbers, Word problems, estimate the sum.
3. Subtraction: Subtraction of 3 digit numbers, Word Problems, estimate the difference.
4. Multiplication : Multiplying 2 – digit number by 1 – digit number, Word problems, estimate the product
5. Division : Dividing 2 – digit numbers by 1 – digit number, word problems(long and short both)
6. Shapes and patterns: Basic shapes, solid shapes, patterns, number patterns, Geometric patterns.
7. Measurement : Measuring length, weight and capacity, Use of standard units of length, relationship between m and cm, Use of non-standard units to measure mass & capacity.
8. Data Handling, Pictograph, Collection, Classification and Comparison of data
9. Time: Calendar, Telling Time in (12-hour clock, 24-hour clock) Conversion of days into hours and hours into minutes.
10. Tables 2 to 15.



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CLASS – V
SUBJECT: ENGLISH (1Hour)

1. Idioms
2. Synonyms
3. Antonyms
4. Tenses : Present, Past, Future, Present Continuous, Past Continuous, Future Continuous
5. Punctuation
6. Adjectives and its Degrees
7. Verb agreement
8. Proverbs
9. Occupations,
10. Similes
11. Apostrophes
12. (Difference between plural and possessive)
13. Comprehension
14. Composition
15. Prepositions

SUBJECT: MATHEMATICS (1 HOUR)

1. Four operations +, -, x, ÷
2. Roman Numerals (symbols I, V and X addition & subtraction)
3. Multiples and factors
4. Fractions
5. Measurement
6. Perimeter and Area
7. Time
8. Data Handling
9. Geometry (Lines & circle)



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CLASS – VI

SUBJECT: ENGLISH (1Hour)

M.M.: 50

1. Composition (10) - One out of four topics
2. Prepositions (5) - 10 Fill in the Blanks
3. Punctuation (5) - 10 Corrections
4. Verbs (10) - 10 Words – (Simple, Continuous & Past Perfect)
5. Direct-Indirect (5) - 5 Sentences
6. Comprehension (10) -
7. Reading (5) -

SUBJECT: MATHEMATICS (1 HOUR)

1. Fractions
2. Decimals
3. Factors and multiples
4. Number System (Up to 9 digits)
5. Area and Perimeter of rectangle and Square, Volume (Cube, Cuboid)
6. The four operations
7. Measurement

SUBJECT: GENERAL SCIENCE (1 HOUR)

1. Human body (Skeletal, muscular and circulatory system)
2. Solids, Liquids and Gases
3. Light and Shadow
4. Plants (Gen Study parts of plant, germination, pollination)
5. Work and Energy
6. Simple Machines
7. Food and Health (Nutrition and Diseases)



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CLASS-VII
ENGLISH (1 Hr)

- | | | | | |
|----|-----------------|------|---|------------------------|
| 1. | Composition | (10) | - | One out of four topics |
| 2. | Prepositions | (5) | - | 10 Fill in the Blanks |
| 3. | Punctuation | (5) | - | 10 Corrections |
| 4. | Verbs | (10) | - | 10 Words |
| 5. | Direct-Indirect | (5) | - | 5 Sentences |
| 6. | Comprehension | (10) | - | |
| 7. | Reading | (5) | - | |

MATHEMATICS (1 Hr)

SIMPLE ARITHMETIC

Fractions, BODMAS, Decimal Fractions, Playing with Numbers

COMMERCIAL MATHEMATICS

Ratio, Lowest term and comparison, Percentage

ALGEBRA : Addition and Subtraction of Algebraic Expressions

MENSURATION : Perimeter and Area of Plane figures

GEOMETRY : Types of angles, Triangles

SCIENCE (1 Hr)

PHYSICS

- | | | | |
|----|-------------------------------------|----|--------|
| 1. | Force | 2. | Energy |
| 3. | Physical quantities and Measurement | | |

CHEMISTRY

- | | | | |
|----|--------|----|----------------------------------|
| 1. | Matter | 2. | Elements, Compounds and Mixtures |
| 3. | Water | | |

BIOLOGY

- | | | | |
|----|--------------------|----|--------------------------------|
| 1. | The cell | 2. | The plant (Leaf & flower) life |
| 3. | Health and hygiene | | |



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CLASS-VIII

ENGLISH (1 Hr)

- | | | | |
|----|--|---|------|
| 1. | Composition. | - | (20) |
| 2. | Reported Speech | - | (10) |
| 3. | Active - Passive | - | (10) |
| 4. | Agreement of the verb with the subject | - | (10) |

MATHEMATICS (1 Hr)

1. **PURE ARITHMETIC**: HCF and LCM of numbers, Ratio & Proportion, Percentage
2. **COMMERCIAL MATHEMATICS**: Profit, Loss, Simple Interest, Speed, Time and Distance.
3. **ALGEBRA**: Exponents, Simple equations, Algebraic Expressions.
4. **GEOMETRY**: Parallel lines, Triangles and its properties in detail

SCIENCE (1 Hr)

BIOLOGY

1. Photosynthesis
2. Respiration
3. Kingdom Classification.
4. Tissue

PHYSICS

1. Energy
2. Light Energy
3. Heat
4. Sound
5. Electricity and Magnetism.

CHEMISTRY

1. Atomic Structure
2. Metals & Non metals
3. Elements, Compounds and Mixtures
4. Physical and chemical changes



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CLASS-IX
ENGLISH (1 Hr)

- | | | | |
|----|--|---|------|
| 1. | Composition (300 words). | - | (20) |
| 2. | Reported Speech | - | (10) |
| 3. | Active Passive | - | (10) |
| 4. | Agreement of the verb with the subject | - | (10) |

MATHEMATICS (1 Hr)

1. **ARITHMETIC**: HCF and LCM of fractions, Square and Square Roots, Profit, Loss and Discount, Simple Interest, Time & Distance
2. **ALGEBRA**: Expansions, Factorization, Formula and Simplification of Linear equations in one or two variables.
3. **GEOMETRY**: Finding out the angles of triangles and Quadrilaterals, using different properties.
4. **MENSURATION**: Circumference and Area of a circle, Volume and Surface Area of Solids

PHYSICS

Force and Pressure, turning effects of force, work and energy, kinetic energy & potential energy, conversion of energy, sound and some common terms used in sound. Echoes and sonar, static electricity, cause of electrification, conductors and insulators.

Reflection of light, regular and irregular reflection, image formed by a plane mirror, simple periscope. Spherical mirror, characteristics of image formed by these mirrors and uses

CHEMISTRY

1. Element, Compound and Mixture, Separation of Mixture using different methods
2. Carbon and its allotropes. (Uses of allotropes)
3. Types of reaction: Displacement, Neutralization, Reaction of metal with water and Direct combination, Balancing of Chemical equation.
4. Atomic structure
5. Hydrogen

BIOLOGY

1. Circulatory system.
2. Endocrine system.
3. Nervous system and sense Organs.
4. Reproduction in plants.
5. Ecosystem.