

**DAYAWATI MODI ACADEMY**  
**MEERUT**  
**SYLLABUS FOR ADMISSION TEST 2021-22**  
**CLASS – I**

**ENGLISH**

1. Formation of new words with Letters given/ formation of simple sentences.
2. Opposite Words
3. One and Many
4. Use of This and That

**MATHS**

1. Write Number Names (1-20)
2. Give the Numerals
3. Fill in the Missing Number
4. Comparison Greater or Lesser
5. Simple Addition and Subtraction
6. Grading Up Sizes (Ascending or Descending Order)
7. Missing Pattern

**HINDI**

1. शब्द पूरे करो या चित्र से मिलाओ
2. मिलते जुलते शब्द लिखो
3. अक्षरों को जोड़कर शब्द बनाओ
4. शब्दों को सही करो

**Note:**

Interaction with the Child and Parents to understand the Conceptual Knowledge,  
Home Environment and Presence of mind.  
Aptitude and Attitude testing with manipulative.

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**CLASS – II**

**ENGLISH**

1. Composition – My Self, My School, My Favorite Toy and any other similar topic.
2. Make Simple Sentences.
3. Opposite Words
4. Underline and Fill Nouns
5. One and Many

**MATHS**

1. Tables- upto 5
2. Simple Addition and Subtraction
3. Number Names and Numerals (1-50)
4. Arranging Ascending and Descending Order
5. Complete the pattern e.g. 2, 4,6,8, \_\_, 14, \_ and



**HINDI**

1. विलोम शब्द
2. वचन
3. लिंग बदलो
4. वाक्य बनाओ
5. अनुच्छेद मेरी माँ, प्रिय मित्र, मेरा घर

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**CLASS – III**

**ENGLISH**

1. Composition: Simple Essays on the day to day life of the child. E.g.- A Rainy Day, The Person I Like Most, Diwali etc.
2. Grammar: Knowledge of nouns
3. Usage
  - a. Alphabetical Order
  - b. Change the Gender
  - c. Singular/Plural
  - d. Correct the Spellings of word given
  - e. Rearranging or words to make meaningful sentences.
  - f. Make Sentences

**MATHS**

1. Simple Addition and Subtraction up to three digit numbers (Carry or Borrow)
2. Multiplication of Three digit numbers with number 2 to 9
3. Write in words, write in figures (Three digit numbers)
4. Ascending and Descending order
5. Greater or Smaller
6. Fill in the Missing Number
7. Simple problems on addition or subtraction

**HINDI**

1. संज्ञा छांटो
2. विलोम शब्द
3. वचन: एक अनेक शब्द
4. निबंध: पाँच वाक्य मेरी माँ, मेरा विद्यालय, मेरा परिवार, प्रिय मित्र, गाय
5. लिंग
6. वाक्य बनाओ

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**CLASS – IV**

**ENGLISH**

1. Composition on topic related to Child's environment
2. A. Noun
  - b. Singular and Plural
  - c. Gender- Masculine and Feminine
  - d. Adjectives
  - e. Opposites
  - f. Making sentences with Simple Words
  - g. Articles
3. Comprehensive Passage- Questions based on the passage to be answered

**MATHS**

1. A. Write in words (four digit numerals)  
B. Write in Numerals (four digits)  
C. Fill in the ,missing digits in simple mathematic statements with four basic operations (Addition, Subtraction, Multiplication and Division).  
D. To complete the pattern series
2. Addition of Three rows of Numbers
3. Subtraction including borrowing
4. Multiplication with Two Digits Multiplier
5. Division by 1 digit divisor
6. Problems on Statements based on all the four fundamental rules

**HINDI**

1. संज्ञा
2. लिंग बदलना
3. वाक्य बनाओ
4. एकवचन बहु वचन
5. विलोम शब्द

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**CLASS – V**

**ENGLISH**

1. Composition : Topics related to the child's experience in everyday life (Visual Experiences)
2. Comprehensive Passage
3. Letter writing (formal and Informal)
4. Grammar:
  - a. Noun: Kinds of Noun- Common/Proper
  - b. Number: Singular and Plural
  - c. Gender: Masculine and Feminine
  - d. Verbs
  - e. Pronouns
  - f. Adjectives

**Exercises based on the above topics**

**MATHS**

1. Numeration in Indian and International System
  1. Writing the Number Name upto Six digits
  2. Expanded Notation
  3. Problem based on the four basic operations
2. Fractions
  1. Kinds of Fraction
  2. Comparison of Fraction
  3. Reducing Fractions to their Lowest term.
  4. Addition and Subtraction of Like Fraction
3. HCF, LCM, Factors and Multiples
4. Measurement of a Line Segment

**HINDI**

1. सर्वनाम
2. विशेषण
3. क्रिया
4. वाक्य बनाना
5. वचन
6. लिंग बदलना

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**CLASS – VI**

**ENGLISH**

1. Letter or Paragraph
2. Unseen Passage
3. Tense/ Verbs
4. Articles
5. Adjectives
6. Nouns
7. Pronouns

**MATHS**

1. Operation on large numbers
2. Pattern in Numbers
3. Roman numbers
4. Multiplication and division of fractional number
5. Decimals
6. Area
7. Parallel lines
8. Percentage, Unitary Method and Profit & Loss

**HINDI**

1. संज्ञा
2. सर्वनाम
3. विशेषण
4. पर्यायवाची
5. विलोग शब्द
6. अनेकार्थी शब्द
7. अनुच्छेद / पत्र

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**CLASS – VII**

**ENGLISH**

Knowledge of the following is necessary:

- (a) Informal letter Writing
- (b) Paragraph Writing
- (c) Unseen passage with Comprehension questions.
- (d) Tenses - the correct form of the Verb
- (e) Adjectives
- (g) Pronouns
- (h) Use of Preposition
- (i) Use of Conjunctions
- (j) Use of articles
- (k) Abstract nouns and collective nouns

**MATHEMATICS**

1. Natural numbers and whole numbers (N & W)
2. Properties of operations on whole numbers.
3. Factors & Multiples Theory: H.C.F. and L.C.M. by different methods
4. Fractions: addition, subtraction
5. Decimal fractions and decimals.
6. Integer.
7. Algebra. (Elementary)
8. Unitary Method: Ratio and proportions

**GEOMETRY**

1. Lines and line segments
2. Angles: To draw angles with a compass.
3. To draw angle bisector and line bisector

**SCIENCE**

1. Separation of Mixtures.
  1. Changes around us. (Reversible & Irreversible changes, examples)
  2. Motion and measurement (Types of motion , Distances, Standard Units of deficiency Measurement ,)
  3. Components of food- Components, usefulness,
  4. Fun with magnets . ( Types of magnet, magnetic & non magnetic material , Properties of magnate, Poles of magnet)
  5. Getting to know plants ( Types of plants, examples, Parts of plants & uses)

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**CLASS – VIII**

**ENGLISH**

1. Unseen Passage with Comprehension questions.
2. Letter Writing (Formal and Informal)
3. Paragraph Writing
4. **Grammar:**
  - (a) Sentence reordering
  - (b) Tenses
  - (c) Reported Speech
  - (d) Active & Passive Voice
  - (e) Prepositions
  - (f) Nonfinite Forms
  - (g) Articles
  - (h) Modals
  - (i) Punctuation

**MATHEMATICS**

1. Rational numbers, Representations and comparison of rational numbers, absolute value of rational numbers.  
Addition, Multiplication of rational numbers, Properties of addition and Subtraction, Rational numbers.
2. Equations in one variable. Exponents, properties of Exponents, Powers of Integers and rational numbers
3. Area of rectangles, squares, Area of rectangular paths, Area and Perimeter of Circle.
4. Few constructions:  
Draw the perpendicular bisector of a line segment.  
To draw a perpendicular to a line from a given point.
5. Triangles (Constructions)
6. Algebraic Expressions, Simplification of Algebraic expression

**SCIENCE**

1. Physical & Chemical Change
2. Acids, Bases & Salts
3. Respiration in organisms
4. Transportation in animals & Plants
5. Heat
6. Electric Current & its effects.



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**CLASS – IX**

**ENGLISH**

- |  |                    |
|--|--------------------|
| 1. Formal and informal Letter Writing. | 2. Unseen Passage. |
| 3. Composition – Paragraph Writing     | 4. Reported Speech |
| 5. Voice                               | 6. Conjunctions    |
| 7. Tenses                              | 8. Prepositions    |
| 9. Determiners                         | 10. Reordering     |

**MATHEMATICS**

1. Square root and cube roots.
2. EXPONENTS & RADICALS: General Concept of power of a ( $a > 0$ ), laws of exponents, Simplification of radicals.
3. ALGEBRAIC EXPRESSIONS:
  - (a) Polynomials and rational expressions.
  - (b) Multiplication of polynomial with a polynomial. Division of a polynomial by a binomial & polynomial, factorisation.
4. LINEAR EQUATIONS: 1<sup>st</sup> degree equations, system of linear equations and their solutions. Word problems based on linear equations.
5. PRACTICAL ARITHMETIC: Simple interest.
6. GEOMETRY:
  - (a) Quadrilateral- Definition, types of quadrilaterals, properties.
7. AREA AND VOLUME: of various known geometric figures e.g
  - (i) Area of circle, triangles and quadrilaterals.
  - (ii) Volume of Cylinder.

**SCIENCE**

1. Materials: Metals & Non Metals
2. Combustion and flame
3. Light
4. Sound
5. Cell- Structure and Functions
6. Reproduction in Animals

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**CLASS – X**

**ENGLISH**

1. Reading (Unseen Passage)
2. Grammar – Jumble Sentences, Reported Speech, Voices, Gap filling based on Conjunctions, Tenses, Prepositions, Determiners
3. Writing Skills— Story Writing, Diary Entry, Descriptive Passage

**MATHEMATICS**

- |                              |                    |
|------------------------------|--------------------|
| 1. Circles                   | 2. Number System   |
| 3. Polynomials, Statistics   | 4. Heron’s Formula |
| 5. Surface Area and Volume   | 6. Linear Equation |
| 7. Triangles, Quadrilaterals |                    |

**SCIENCE**

- |                             |                               |
|-----------------------------|-------------------------------|
| 1. Motion                   | 2. Work and Energy            |
| 3. Force and Law of Motions | 4. Is Matter around us pure-C |
| 5. Atoms & Molecule -C      | 6. Structure of Atom-C        |
| 7. Structure of Cell -B     | 8. Tissue- B                  |