



DAYAWATI MODI ACADEMY MEERUT

SYLLABUS FOR ADMISSION TEST

CLASS-VII (2018-2019)

ENGLISH

Knowledge of the following is necessary:

1. Informal letter Writing
2. Paragraph Writing
3. Unseen passage with Comprehension questions.
4. Tenses - the correct form of the Verb
5. Punctuation
6. Pronouns
7. Use of Preposition
8. Use of Conjunctions
9. Use of articles
10. Abstract nouns and collective nouns

MATHEMATICS

1. Natural numbers and whole numbers (N & W)
2. Properties of operations on whole numbers.
3. Number Theory: H.C.F. and L.C.M. by different methods
4. Fractions: addition, subtraction
5. Decimal fractions and decimals.
6. Integer.

ALGEBRA. (Elementary)

7. 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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SYLLABUS FOR ADMISSION TEST CLASS-VIII (2018-2019)

ENGLISH

1. Unseen Passage with Comprehension questions.
2. Letter Writing (Formal and Informal)
3. Paragraph Writing
4. **Grammar:**
 - (a) Parts of Speech
 - (b) Tenses
 - (c) Reported Speech
 - (d) Active & Passive Voice
 - (e) Prepositions
 - (f) Word Formation
 - (g) Articles
 - (h) Modals
 - (i) Use of suffixes and prefixes
 - (j) Punctuation

MATHEMATICS

1. Rational Numbers System, 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.



DAYAWATI MODI ACADEMY MEERUT

SYLLABUS FOR ADMISSION TEST CLASS-IX (2018-2019)

ENGLISH

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| 1. Formal and informal Letter Writing. | 2. Unseen Passage. |
| 3. Composition – Paragraph Writing | 4. Reported Speech |
| 5. Voice | 6. Punctuation |
| 7. Tenses | 8. Clauses: Adjective, Adverb and Noun |
| 9. Prepositions | 10. Finite & Non –Finite Verbs |
| 11. Sentence (Simple, Complex, Compound) | 12. Word Formation |
| 13. Determiners: | |

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: 1st degree equations, system of linear equations and their solutions. Word problems based on linear equations.
5. PRACTICAL ARITHMETIC: Simple interest, compound interest.
6. **GEOMETRY:**
 - (a) Quadrilateral- Definition, types of quadrilaterals, properties and construction..
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



DAYAWATI MODI ACADEMY MEERUT

SYLLABUS FOR ADMISSION TEST

CLASS-X (2018-2019)

ENGLISH

1. Reading (Unseen Passage)
2. Grammar – Editing, Fill ups, Jumble Sentences, Reported Speech, Omission.
3. Writing Skills— Story Writing, Letter to Editor,, Article.

MATHMATICS

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

SCIENCE

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|-------------------------|---------------------------------|
| 1. Motion | 2. Work and Energy |
| 3. Sound | 4. Is Matter around us pure-C |
| 5. Atoms & Molecule -C | 6. Structure of Atom-C |
| 7. Structure of Cell -B | 8. Diversity in living world -B |
| 9. Tissue - B | |