** MODERN SCHOOL**

**Class- 9 SUBJECT - MATHEMATICS SESSION - 2025-2026**

**PRESCRIBED BOOK: THE NEW BOOK OF MATHEMATICS**

**PUBLICATION: AVICHAL PUBLISHING COMPANY**

| **MONTH** | **CHAPTER NUMBER** | **CHAPTERS** |
| --- | --- | --- |
| **April** | **Ch-01**  **Ch-03** | **Number System**  **Co-ordinate Geometry** |
| **May** | **Ch-10**  **Ch-04** | **Heron’s formula**  **Linear equation in two variables** |
| **July** | **Ch-05**  **Ch-06** | **Introduction to Euclid Geo.**  **Lines & Angles** |
| **August** | **Ch-07** | **Triangles** |
| **September** |  | **Half yearly** |
| **October** | **Ch-02**  **Ch-12** | **Polynomials**  **Statistics** |
| **November** | **Ch-08** | **Quadrilateral** |
| **December** | **Ch-11** | **Surface Area & Volume** |
| **January** | **Ch-09** | **Circles** |
| **February** |  | **Annual exam** |

**DELETED SYLLABUS AS PER CBSE**

| **Chapter** | **Deleted topics** |
| --- | --- |
| **Chapter 1-Number System** |  |
|  |  |
| **Chapter 6-Lines and Angles** | • Angle Sum Property of a Triangle. |
| **Chapter 7-Triangles** | * Triangle inequalities and relation between ‘angle and facing side ’inequalities in triangles. |
| **Chapter - Areas of Parallelograms and Triangles** | **Chapter Deleted** |
| **Chapter -Constructions** | **Chapter deleted** |
| **Chapter 10-Heron's Formals** | * Application of Heron's formula in finding the area of quadrilateral. |
| **Chapter 11 - Surface Areas and volumes** | * Surface area and volumes of cube, cuboids and cylinders. |
| **Chapter 12-Statistics** | * Collection of data, presentation of data tabular form, ungrouped/grouped. * Mean, median and mode of ungrouped data. |
| **Chapter- Probability** | **Chapter deleted.** |

| **EXAM** | **MONTH** | **SYLLABUS** |
| --- | --- | --- |
| **PT -1** | **May** | **Ch-01. Number system**  **Ch-03. Co-ordinate Geometry** |
| **PT-2** | **August** | **Ch- 04 Linear equation in two variables**  **Ch- 10 Heron’s Formula** |
| **PT-3** | **December** | **Ch- 2 Polynomials**  **Ch-12 Statistics** |
| **HALF YEARLY** | **September** | **Ch-01 Number System**  **Ch-03 Co-ordinate Geometry**  **Ch-06 Lines & Angles**  **Ch-04 Linear equation in two variables**  **Ch-10 Herons formula**  **Ch-07 Triangles**  **Ch-05 Euclid Geo** |
| **ANNUAL** | **FEBRUARY** | **FULL SYLLABUS** |

**LAB MANUAL ACTIVITIES**

1. **To construct a square root spiral**
2. **To represent some irrational no. on number line**
3. **To verify exterior angle property of a triangle**
4. **To verify geometrically algebraic identity: (x + y + z)2**
5. **To verify geometrically algebraic identity: (x + y)3**
6. **To draw histogram for classes of equal width and varying widths**
7. **To verify in a triangle larger side has greater angle oppositeto it.**
8. **To verify Mid Point theorem.**
9. **To find relationship among the volume of a right circular cone, a hemisphere, a cylinder of equal radii and equal height.**
10. **To find experimental probability of each outcome of a die when it is thrown a large no. of times.**

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