



MODERN SCHOOL

Class: X

Subject: Mathematics

Session: 2025-26

**Book prescribed: NCERT text book
NCERT Exemplar**

Publication: NCERT

| Month | Chapter no. | Chapter Name |
|------------|-----------------------------|---|
| MARCH | CH 1: | REAL NUMBERS |
| APRIL | CH 2 CH 3 CH 7 | POLYNOMIALS LINEAR EQUATION IN TWO VARIABLE COORDINATE GEO. |
| MAY | CH 13 CH 8 | STATISTICS INTRODUCTION TO TRIGONOMETRY |
| JULY | CH 11 Ch. 14 CH 4 | AREA RELATED TO CIRCLES PROBABILITY QUADRATIC EQUATION |
| AUGUST | CH 11 CH 9 | TRIANGLES APPLICATION TO TRIGONOMETRY |
| SEPTEMBER | REVISION FOR HALF YEARLY | |
| OCTOBER | CH 10 CH 5 CH 12 | CIRCLES ARITHMETIC PROGRESSION SURFACE AREA AND VOLUME |
| NOVEMBER | Pre Board I | |
| DECEMBER | Pre Board II | |
| JANUAURY - | - | |
| FEBRUARY | - | |

| EXAM | MONTH | SYLLABUS |
|--------|-------|--|
| TERM 1 | MAY | REAL NUMBERS, POLYNOMIALS LINEAR EQUATION IN TWO VARIABLE |

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| TERM 2 | JULY | COORDINATE GEO., STATISTICS INTRODUCTION TO TRIGONOMETRY |
| TERM 3 | AUGUST | AREA RELATED TO CIRCLES PROBABILITY QUADRATIC EQUATION |
| HALF YEARLY | SEPTEMBER | REAL NUMBERS, POLYNOMIALS LINEAR EQUATION IN TWO VARIABLE, COORDINATE GEO., STATISTICS INTRODUCTION TO TRIGONOMETRY, AREA RELATED TO CIRCLES PROBABILITY QUADRATIC EQUATION, TRIANGLES APPLICATION TO TRIGONOMETRY |
| PB 1 | NOVEMBER | |
| PB 2 | DECEMBER | |

DELETED TOPICS/CHAPTERS

| Sr no. | Chapter | Topics |
|--------|---------------------------------|--|
| 1. | Real Numbers | a) Euclid's division lemma b) Decimal representation of rational numbers |
| 2 | Polynomial | Division Algorithm |
| 3. | Linear equation in two variable | a) Cross multiplication method b) Problems on equation reducible to linear equation |
| 4. | Quadratic Equation | Completing the squares |
| 5, | Arithmetic Progression | No Deletion |
| 6. | Triangles | a) Areas of two similar triangles b) Pythagoras Theorem and its converse |
| 7. | Co-ordinate Geometry | Area of Triangles |
| 8. | Introduction to trigonometry | T. ratios of complementary angles |
| 9. | Application of trigonometry | No deletion |
| 10 | Circles | No deletion |
| 11. | Construction | Fully deleted |
| 12 | Area related to circles | Areas of combination of plane figures |
| 13 | Surface area and volume | a) Conversion of one solid to another solid b) Frustum of cone |

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|------------|--------------------|------------------------------------|
| 14. | Statistics | Commulative Frequency Graph |
| 15. | Probability | No deletion |

LAB MANUAL ACTIVITIES

- 1) To find HCF of two numbers by Euclid's division lemma**
- 2) To verify conditions for consistency and inconsistency for a given pair of equation by graphical method**
- 3) To verify the BPT (Thales theorem)**
- 4) To verify Pythagoras theorem.**
- 5) To establish a formula for the sum of first n terms of an A.P**
- 6) To verify length of tangents from an external point are equal**
- 7) To verify section formula by graphical method**
- 8) To obtain formula for surface area of a circus tent.**
- 9) To determine experimentally probability of a head (or tail) by tossing a coin 1000 times and compare it with theoretical probability.**
- 10) To find geometrically, solution of ax^2+bx+c by completing the square.**

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