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| Month | Name of the Book | Topic/Sub topic |
| September | NCERT | **Set Theory**:  Introduction, Sets and their representation, types of sets, Subsets, Venn diagram, Some properties of operation of union and intersection, Practical problem on union and intersection of two sets. |
| NCERT | **Relation and function:**  Introduction, Cartesian product of sets, Relation, Function, types of function, domain and range of function |
| NCERT | **Complex Number:**  Introduction, Iota, Complex Number, Algebra, modulus and conjugate of Complex Number, Argand Plane and, Quadratic Equation. |
| October & November | NCERT  NCERT  NCERT | **Sequence and Series**:  Introduction, Sequence, Series, AP, GP, Relationship between AM & GM.  **Straight Line**:  Introduction, Slope of line, various Forms of Equation, General Equation of line, Distance of a point from a line, Distance between two parallel, lines.  **Limits**  Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions  **Statistics**  Measures of Dispersion: Range, mean deviation, variance and standard deviation of ungrouped/grouped data. |
| Month | Name of the Book | Topic/Sub topic |
| December& January  February | NCERT  NCERT | Trigonometric Function:  Introduction, Angles, Relation Between degree and radian, Trigonometric function, Trigonometric function of sum and difference of two angles, submultiple angles, sin3x, cos3x, tan3x.  **Linear Inequalities**:  Introduction, Inequalities, Graphical solution of inequalities in one variable, Graphical solution of Linear Inequalities in two variables  **Permutation and Combination**:  Introduction, Fundamental principle of counting Factorial notation, Permutation, Combination. |
| NCERT  NCERT | **Conic Section**:  Introduction, Circle, Parabola, Ellipse, Hyperbola, Application of Conic section  **Three Dimensional Geometry**:  Introduction, Distance between two points, Section formula.  **Derivatives:**  Derivatives from first Principle, Product rule, Quotient rule. |
|  | NCERT | **Probability**:  Introduction, Sample Space, Event, Types of event, Probability, Algebra of probability.  (Revision for Annual Exam) |