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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 | NCERTNCERTNCERT | **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& JanuaryFebruary | NCERTNCERT | 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. |
| NCERTNCERT | **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) |