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| **Month** | **Name of the Book** | **Topic/Sub topic** |
| **JUNE** | **NCERT** | **Set Theory:**  **Introduction, Sets and their representation, types of sets, Subsets, Venn diagram, Some properties of operation of union and intersection, complement of set and their properties, Practical problem on union and intersection of two sets.** |
| **July** | **NCERT** | **Relation and function:**  **Introduction, Cartesian product of sets, Relation, Function** |
| **NCERT** | **Trigonometric Function:**  **Introduction, Angles, Relation Between degree and radian, Trigonometric function, Trigonometric function of sum and difference of two angles, Trigonometric Equation, Sine and cosine formula** |
| **NCERT** | **Mathematical Induction:**  **Introduction, The Principle of Mathematical Induction.** |
| **August** | **NCERT** | **Complex Number:**  **Introduction, Iota, Complex Number, Algebra, modulus and conjugate of Complex Number, Argand Plane and Polar Representation, Quadratic Equation, Square root of complex Number.** |
| **August** | **NCERT** | **Linear Inequalities:**  **Introduction, Inequalities, Graphical solution of inequalities in one variable, Graphical solution of Linear Inequalities in two variables** |
| **August** | **NCERT** | **Permutation and Combination:**  **Introduction, Fundamental principle of counting Factorial notation, Permutation, Combination.** |
| **September** | **NCERT** | **Binomial Theorem:**  **Introduction, Binomial theorem for positive integral indices, General term and middle term.** |
| **September** | **NCERT** | **Sequence and Series:**  **Introduction, Sequence, Series, AP, GP, Relationship between AM & GM, Sum to n terms Of Special Series,** |
| **October** | **NCERT** | **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. Family of lines.** |
| **October** | **NCERT** | **Conic Section:**  **Introduction, Circle, Parabola, Ellipse, Hyperbola, Application of Conic section.** |
| **November** | **NCERT** | **Three Dimensional Geometry:**  **Introduction, Distance between two points, Section formula.** |
| **November & December** | **NCERT** | **Limits and Derivatives:**  **Introduction, Limits, Existence of limit, Algebra of limits, Derivatives from first Principle, Product rule, Quotient rule.** |
| **January** | **NCERT** | **Mathematical Reasoning:**  **Introduction, Statements, New Statements from Old, Negation of Statement, Compound Statements, Special Words/Phrases, Quantifiers, Implication, Contra positive and Converse, validating Statements** |
| **January& February** | **NCERT** | **Statistics:**  **Introduction, Mean deviation about mean and median, Variance and Standard Deviation, Analysis of Frequency distribution,** |
| **February** | **NCERT** | **Probability:**  **Introduction, Sample Space, Event, Types of event, Probability, Algebra of probability.**  **(Revision for Annual Exam)** |