

Important Topics in Tier 1 - SSC Exam

1. Arithmetic

- Percentages
- Profit and Loss
- Simple and Compound Interest
- Time and Work
- Time, Speed and Distance
- Averages
- Ratio and Proportion
- Mixture and Alligation
- Partnership
- Ages
- Discount
- Basics of Percentage
- Election and Population problems
- These topics are easy to understand with regular practice.

2. Number System

- Divisibility
- LCM & HCF
- Square and Cube roots
- Simplification (BODMAS)
- Surds and Indices
- Decimal & Fractions
- Remainders and Factor Theory
- Unit digit problems
- Progressions
- This section is also easy if you know the tricks and formulas.

3. Algebra

- Linear and Quadratic Equations

- Simplifying expressions
- Binomial Theorem (basic)
- Making perfect squares
- Maxima and Minima
- Inverse concepts
- These are part of the advanced math syllabus SSC and need good concept clarity.

4. Geometry

- Lines and Angles
- Triangles and their properties
- Circles, Polygons
- Congruency and Similarity
- Co-ordinate Geometry
- You need to remember some basic rules and diagrams.

5. Mensuration

- Areas of 2D figures
- Surface area and volume of 3D shapes
- Right prism, Cylinder, Cone, Sphere, Hemisphere.
- This is a scoring area in advance maths syllabus for SSC if formulas are memorized well.

6. Trigonometry

- Height and Distance
- Trigonometric Ratios
- Standard angles
- Identities
- Complementary angles
- Practice is key to solve these quickly.

7. Data Interpretation (DI)

- Bar graphs
- Line graphs
- Pie charts

