

## EXAM SYLLABUS

# SSC CGL Syllabus 2026: Mathematics Chapters and Topics

1 subjects · 7 topics

SSC CGL 2026 Mathematics Syllabus for Tier 1 & Tier 2. Covers Arithmetic, Algebra, Geometry, Trigonometry, Mensuration, and Data Interpretation. Prioritize high-weightage topics like geometry and mensuration.

## WHAT TO STUDY FIRST

Begin your preparation with Arithmetic topics such as Percentage, Ratio & Proportion, Profit & Loss, and Time & Work, as these form the foundation for many other mathematical concepts and often carry significant weightage. Subsequently, move on to Geometry and Mensuration, which are also high-yield areas. Understanding the weightage of topics in previous exams can help prioritize your study plan effectively, focusing on areas that frequently appear.

## EXAM PATTERN

Mixed

Combined Graduate Level Examination (Tier-I & Tier-II)

Marking: Tier-I: +2 marks for each correct answer, -0.50 marks for each wrong answer. Tier-II Paper-I (Section-I, Section-II, Module-I of Section-III): +3 marks for each correct answer, -1 mark for each wrong answer. Tier-II Paper-II (Statistics) and Paper-III (General Studies-Finance & Economics): +2 marks for each correct answer, -0.50 marks for each wrong answer.

No negative marking for Module-II of Section-III (Data Entry Speed Test) of Paper-I.

Negative: Yes, applicable in both Tier 1 and Tier 2, with varying deductions per tier and section.

### Tier-I

100 Q · 200 marks · 60 min

MCQ

### Tier-II

MCQ (except Data Entry Speed Test)

- Exam conducted in two Tiers: Tier-I and Tier-II.
- Both Tier-I and Tier-II are Computer Based Examinations (CBE).
- Tier-I is qualifying in nature; its marks are not counted in the final selection.
- Tier-II Paper-I is compulsory for all posts.
- Paper-II (Statistics) and Paper-III (General Studies-Finance & Economics) in Tier-II are for specific posts only.
- Questions are Objective Type Multiple Choice, except for Data Entry Speed Test.

## SUBJECT-WISE SYLLABUS

### 01 Paper I – Mathematical Abilities (Tier-I & Tier-II)

7 topics · Approx. 25 questions (50 marks) in Tier-I; 30 questions (90 marks) in Tier-II Pa

#### RECOMMENDED BOOKS

- Quantitative Aptitude for Competitive Examinations by R.S. Aggarwal
- Magical Book on Quicker Maths by M. Tyra
- NCERT Mathematics Textbooks (Class 9-10 for basics, Class 11-12 for advanced)

- 1 Number Systems: Computation of Whole Numbers, Decimals and Fractions, Relationship between Numbers
- 2 Fundamental Arithmetical Operations: Percentages, Ratio and Proportion, Square roots, Averages, Interest (Simple and Compound), Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and distance, Time and Work
- 3 Algebra: Basic algebraic identities of School Algebra and Elementary surds, Graphs of Linear Equations
- 4 Geometry: Familiarity with elementary geometric figures and facts: Triangle and its various kinds of centers, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles
- 5 Mensuration: Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square Base
- 6 Trigonometry: Trigonometry, Trigonometric ratios, Complementary angles, Height and distances (simple problems only), Standard Identities
- 7 Statistics and Probability: Use of Tables and Graphs: Histogram, Frequency polygon, Bar-diagram, Pie-chart. Measures of central tendency: mean, median, mode, standard deviation. Calculation of simple probabilities

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1 subject(s), 7 topics listed above. Verify critical details with the official exam notification before applying.