

## Maths Syllabus for SSC CGL - Subject wise Topics

Are you gearing up for the SSC CGL exam and feeling a bit overwhelmed by the Maths syllabus for **SSC**

CGL? Don't worry, you're not alone! Whether you're a Maths enthusiast or someone who finds numbers intimidating, this blog is here to guide you through the essential topics and provide tips to master the Maths syllabus for SSC CGL. We'll break down the syllabus into relevant topics, useful strategies, and all the important books that will help you build confidence in your mathematical abilities. So, are you ready to dive in and conquer the Maths syllabus for SSC CGL together? Let's get started!

## Maths Syllabus for SSC CGL - Tier 1 Topics

Tier 1 of SSC CGL covers four subjects: General Intelligence and Reasoning, General Awareness, Quantitative Aptitude, and English Comprehension. The Quantitative Aptitude (Maths) section consists of 25 questions worth 50 marks, making it essential to prioritize this subject. To aid your preparation, we have detailed all the topics included in the Quantitative Aptitude (Maths) section of SSC CGL Tier 1 below:





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## Maths Syllabus for SSC CGL - Subject wise Topics

- Whole Numbers
- Decimals
- Fractions and Relationships between Numbers
- **Percentage**
- Ratio & Proportion
- Square Roots
- Averages
- **Interest**
- Profit and Loss
- Discount
- Partnership Business
- Mixture and Alligation
- Time and Distance
- Time & Work
- Basic Algebraic Identities of School Algebra & Elementary Surds
- Graphs of Linear Equations
- Triangle and its various kinds of centres
- Congruence and Similarity of Triangles
- Circle and its Chords
- Tangents
- Angles Subtended by Chords of a Circle
- Common Tangents to two or more circles
- **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
- Trigonometric ratio
- Degree and Radian Measures
- Standard Identities
- Complementary Angles
- Heights and Distances
- Histogram
- Frequency polygon

## Maths Syllabus for SSC CGL - Tier 2 Topics

SSC CGL Tier 2 comprises three papers. Module I of Section I of Paper I focuses on Mathematical Abilities, which includes 30 questions worth 3 marks each. Below, we have detailed all the topics included in the Tier 2 Maths syllabus for SSC CGL.

- **Number Systems:** Whole numbers, decimals, fractions, and relationships between numbers.
- **Fundamental Arithmetical Operations:** Percentages, ratio and proportion, square roots, averages, interest (simple and compound), profit and loss, discount, partnership business, mixture and allegation, time and distance, time and work.
- **Algebra:** Basic algebraic identities, elementary surds, and graphs of linear equations.
- **Geometry:** Triangle and its various kinds of centres, Congruence and similarity of triangles, circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles.
- **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.
- **Trigonometry:** Trigonometry, Trigonometric ratios, Complementary angles, Height and distances (simple problems only) Standard Identities like  $\sin^2\theta + \cos^2\theta = 1$  etc.
- **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.

## Maths Syllabus for SSC CGL - Exam Pattern Overview

Now that we have delved into the Maths syllabus for SSC CGL, it's important to understand the exam pattern. Knowing the exam pattern helps you plan how to answer questions effectively. It also boosts your confidence when facing the questions. Moreover, it aids in managing your time better and improves your problem-solving skills. Thus, let's dive right into the SSC CGL Exam Pattern.



## Maths Syllabus for SSC CGL - Subject wise Topics



### SSC CGL Exam Pattern

Lets begin to prepare for the exams in the given chronology!

		Maximum Marks	Time Duration
 Tier 1 + 	English Comprehension + General Intelligence & Reasoning Quantitative Aptitude + General Awareness	200	1 hour
	Paper 1 - Session 1 and 2 + Paper 2 - Statistics + Paper 3 - General Studies	450 ( Paper 1) + 200 ( Paper 2) + 200 ( Paper 3)	2 hours 30 minutes ( Paper 1) + 2 hours ( Paper 2) + 2 hours ( Paper 3)

[Source: KD Live]

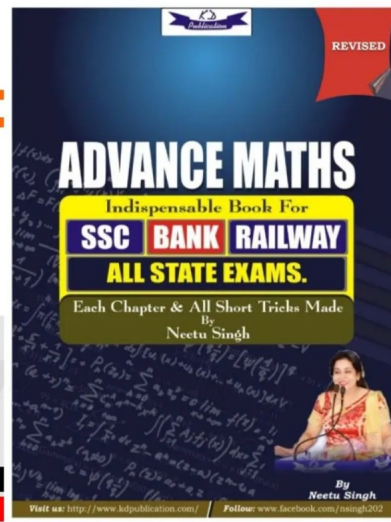
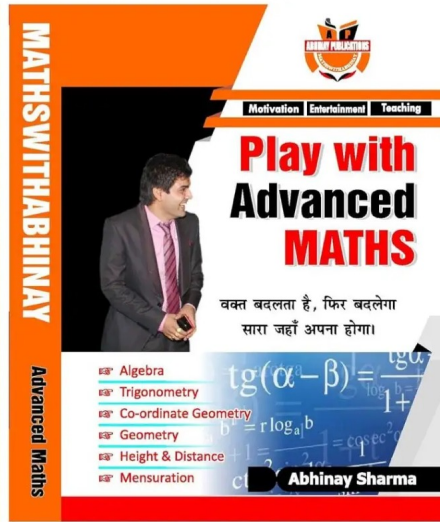
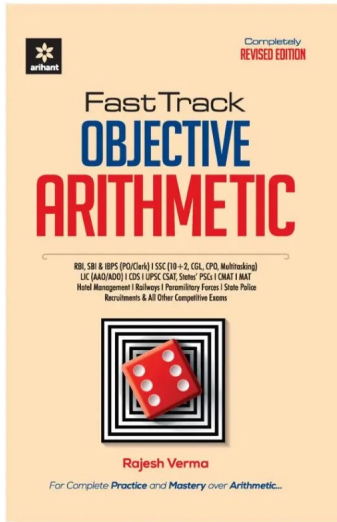
The SSC CGL Tier 1 exam consists of four subjects, with each subject containing 25 questions worth 50 marks. This results in a total of 100 questions and a maximum score of 200 marks. The exam duration is 1 hour. Furthermore, Tier 1 includes Objective Type and Multiple Choice Questions, presented in both English and Hindi, except for the English Comprehension section.

Moving on to the SSC CGL Tier 2 exam pattern, Tier 2 of SSC CGL consists of Paper I, Paper II, and Paper III, conducted in separate shifts or on different days. Paper I will be held in two sessions, Session I and Session II, on the same day. It is crucial to qualify in all sections of Paper I. Moreover, Tier 2 (Paper I, Paper II, and Paper III) will feature Objective Type, Multiple Choice Questions, except for Module II of Section III of Paper I. The questions will be available in both English and Hindi, except for the English Language and Comprehension module in Section II of Paper I.

## Maths Syllabus for SSC CGL - Best Books to Refer

Below is a meticulously curated list comprising the finest books tailored specifically for mastering the mathematics section of the SSC Combined Graduate Level (CGL) examination, ensuring comprehensive coverage and effective preparation to excel in this domain:

## Maths Syllabus for SSC CGL - Subject wise Topics



[Source: KD Live]

- **Fast Track Objective Arithmetic:** For mastering quantitative aptitude, Rajesh Verma's "[Fast Track Objective Arithmetic](#)" from Arihant is essential.
- **Play with Advanced Math:** For advanced math, be sure to check out Abhinay Sharma's "[Play with Advanced Math](#)".
- **Advance Maths by Neetu Singh:** For tackling advanced math, delve into "[Advance Maths by Neetu Singh](#)" from KD Publication.

## Maths Syllabus for SSC CGL - Useful Tips

- Familiarize yourself with the entire Maths syllabus for SSC CGL to know what topics to focus on.
- Consistent practice helps reinforce concepts and improves problem-solving speed. Aim to solve a variety of questions daily.
- Choose reliable books and online resources that cover the Maths syllabus for SSC CGL comprehensively.
- Regularly take timed

[mock tests](#)

to get used to the exam format and improve your time management skills.

- Analyze your errors in practice tests and understand where you went wrong to avoid repeating them.
- Regular revision is key to retaining concepts and formulas covered in the Maths syllabus for SSC CGL.

We trust that this blog has assisted you in organizing your study routine and provided clarity on the Maths syllabus for SSC CGL. For additional information on this examination, feel free to explore our other blogs on

[SSC CGL Syllabus,](#)

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