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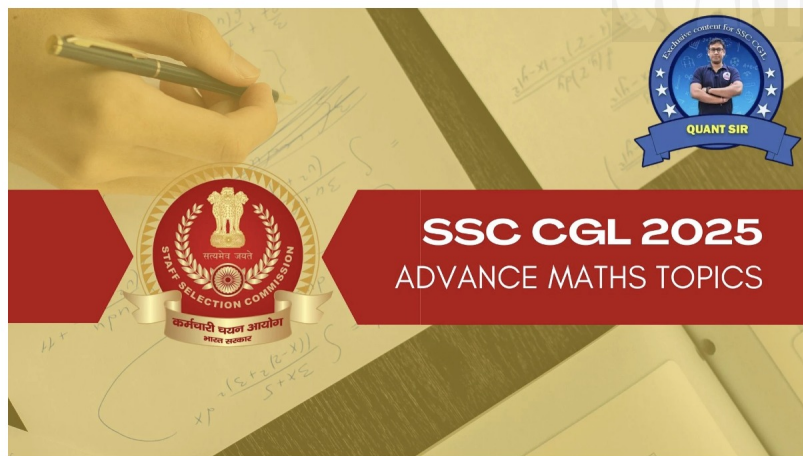
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The Staff Selection Commission Combined Graduate Level (**SSC CGL 2025**) exam is one of the most sought-after competitive exams for government job aspirants in India. To crack this exam, especially the Quantitative Aptitude section, a solid grip on **SSC CGL 2025 Advance Maths Topics** is essential.

**Quant Sir** is here to support and guide your preparation with tailored resources and expert advice. If you face challenges or have doubts, our team is ready to guide you through. Now, let's explore the SSC CGL 2025 Quant Arithmetic Topics based on past exam patterns and analysis. Here is a list of crucial miscellaneous topics frequently asked in **SSC CGL**.

## SSC CGL 2025 Quant Advance Maths Topics - Overview

Advanced Mathematics plays a crucial role in the Quantitative Aptitude section of SSC CGL 2025, particularly in Tier 2, contributing significantly to the overall weightage. The SSC CGL 2025 Quant Advanced Maths Topics require analytical thinking, logical reasoning, and a thorough understanding of complex mathematical concepts. These topics, including **Algebra, Geometry, Trigonometry and Mensuration 2D and 3D**, are indispensable for scoring high in both Tier 1 and Tier 2 exams. Advanced Maths questions often challenge candidates with their conceptual depth but are highly rewarding with consistent practice. Mastering these topics not only boosts your SSC CGL performance but also strengthens your quantitative aptitude for other competitive exams, solidifying your overall preparation strategy.



## SSC CGL 2025 Quant Advance Maths Topics - Complete Guide

This guide provides detailed explanations, formulas, and practical tips for mastering these topics, ensuring a comprehensive understanding to help you excel in the Quantitative Aptitude section. The topics in Advance Maths include:

### 1. Geometry:



- Lines and angles
- Triangles (properties, similarity, congruence)
- Circles (tangent, chord, angle subtended)
- Quadrilaterals and polygons
- Important theorems (Pythagoras, angle sum, etc.)

## 2. Mensuration (2D):

- Area of:
  - Triangles (Scalene, Equilateral, Right, etc.)
  - Quadrilaterals (Square, Rectangle, Parallelogram, etc.)
  - Circles (Circle, Semi-circle, Sector, etc.)
  - Polygons and Mixed Figures (Circles + Quadrilaterals, etc.)

## 3. Mensuration (3D):

- Surface area and volume of:
  - Cube, cuboid, cylinder
  - Cone, sphere, hemisphere
  - Frustum (occasionally in Tier 2)
- Conversion-based questions (e.g.,  $\text{cm}^3$  to liters)



## 4. Trigonometry:

- Trigonometric ratios (sin, cos, tan, etc.)
- Trigonometric identities
- Heights and distances (angle of elevation/depression)
- Complementary angles

## 5. Algebra:

- Basic identities
- Factorization and simplification
- Linear and quadratic equations
- Surds and indices
- Rational expressions

# SSC CGL 2025 Advance Maths Topics – Topic wise Weightage



Our Complete Guide to SSC CGL 2025 Quant Advance Maths Topics highlights the key subtopics, essential formulas, and question trends to support smart and effective preparation.

Here's a simplified breakdown of SSC CGL 2025 Quant Advance Maths Topics:

Topic	Tier 1 (Questions)
Geometry	2 – 3
Mensuration (2D)	1 – 2
Mensuration (3D)	1 – 2
Trigonometry	2
Algebra	2 – 3

These are the core topics and so that they generally hold more weight. Set aside 30 minutes minimum each day to focus on these areas and work through previous year questions to identify common patterns.

## Preparation Tips for SSC CGL 2025 Advance Maths Topics

Advanced Mathematics is a pivotal part of the Quantitative Aptitude section in SSC CGL 2025, encompassing critical topics like Algebra, Geometry, Trigonometry, and Mensuration. Excelling in these topics not only enhances your exam performance but also sharpens your analytical abilities. With a focused approach, you can tackle these challenges effectively and secure top scores.

### 1. Strengthen Basic Concepts First:

- Start with NCERT Class 6–10 Maths to build a strong base.
- Understand definitions, theorems, and standard formulas in geometry, algebra, and trigonometry.

### 2. Memorize Key Formulas:

- Create a formula sheet for quick revision.
- Focus on:
  - Algebraic identities
  - Trigonometric ratios and identities
  - Surface area/volume formulas
  - Geometry theorems

### 3. Practice with Previous Year Papers:





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- SSC repeats question types often. Solve at least 5–10 years of PYQs.
- Use books like Rakesh Yadav's Previous Year Chapterwise or Kiran Publications.

#### 4. Work on Time Management:

- Learn short tricks and mental calculation methods.
- During practice, time yourself to improve speed and accuracy.

#### 5. Focus More on Geometry & Mensuration:

- These topics carry high weightage in Tier 2.
- Prioritize theorems, angle properties, and 3D shapes' formulas.

Preparation for SSC CGL 2025 Advanced Mathematics Topics demands consistency, conceptual clarity, and a strategic approach. Prioritize mastering the fundamentals, practicing regularly with mock tests, and addressing your weak points. With persistence and smart preparation, you can tackle advanced math questions confidently and achieve excellent results in the exam.

Advanced Maths isn't just about memorizing theorems — it's about understanding concepts deeply and applying them accurately under exam pressure. With regular practice and smart strategies, you can master this section and score big, especially in Tier 2. Start early, focus on conceptual clarity, and sharpen your skills with our [Topic-wise tests](#), [PYQs](#), and expert-curated notes. Stay connected with [us](#) for targeted problem-solving strategies and exam-specific tips.

[SSC CGL 2025](#) is your opportunity — make it count.