

## Maths for SSC CGL 2024 - Topic Wise Weightages

Mathematics is a crucial component of the SSC CGL 2024 exam, playing a significant role in determining your overall score. The Mathematics section tests your numerical ability and problem-solving skills through a variety of topics, including algebra, arithmetic, geometry, and data interpretation. A solid grasp of mathematical concepts and effective problem-solving strategies are essential for tackling this section confidently. In this blog, we'll explore the topics covered in the

### Maths for SSC CGL 2024

exam, discuss the exam patterns, and provide preparation tips to help you build a strong foundation and excel in the Mathematics section of the SSC CGL 2024.

The Maths for SSC CGL 2024 exam is conducted in two tiers: Tier 1 and Tier 2. We'll explore each tier in detail below.

## Maths for SSC CGL 2024 - Tier 1

Tier 1 of the

### SSC

CGL exam includes four subjects: General Intelligence and Reasoning, General Awareness, Quantitative Aptitude, and English Comprehension. The Quantitative Aptitude (Maths) section features 25 questions, contributing 50 marks to the total score. Given its significance, it's crucial to prioritize this subject in your preparation. To assist you, we have outlined all the topics covered in the Quantitative Aptitude (Maths) section of SSC CGL Tier 1 below:

### TIER - 1 MATHS SYLLABUS

- 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
- Bar diagram & Pie chart.

[Source: KD Live]

Now that you are aware of the topics included in the Maths for SSC CGL 2024 Tier 1 exam, let us walk you through the topic wise weightages.

## Maths for SSC CGL 2024 - Topic Wise Weightages

Quantitative Aptitude	
Topics	Weightage
Simplification/Approximation	1-3
Average	1
Percentage	1
Profit & Loss	2-3
Time & Work	1-2
Speed, Time and Distance	1-2
Interest	1
Ratio and Proportion	1
Geometry	2-4
Trigonometry	3
Mensuration	1-3
Algebra	2-3
Mixture & Allegations	1

In the SSC CGL 2024 Tier 1 exam, Geometry is the most frequently asked topic, followed by Profit & Loss and Algebra.

## SSC CGL 2024 Exam Pattern - Tier 1

Now that we've explored the Maths for SSC CGL 2024 Tier 1 exam, understanding the exam pattern is crucial. Familiarity with the exam pattern helps you strategize how to approach questions effectively, boosts your confidence, and enhances your time management skills. It also improves your problem-solving abilities by giving you a clear idea of what to expect. With this in mind, let's dive into the SSC CGL Exam Pattern.

Tier	Subject	Number of Questions	Maximum Marks	Time allowed
I	A. General Intelligence and Reasoning	25	50	1 hour (1 hour and 20 minutes for the candidates eligible for scribe as per Para-7.1, 7.2 and 7.3)
	B. General Awareness	25	50	
	C. Quantitative Aptitude	25	50	
	D. English Comprehension	25	50	

[Source: ssc.gov.in]





## Maths for SSC CGL 2024 - Topic Wise Weightages

The SSC CGL Tier 1 exam comprises four subjects, each containing 25 questions. This results in a total of 100 questions, with each question worth 2 marks, making the maximum score 200 marks. The entire exam is conducted within a 1-hour timeframe and consists of Objective Type Multiple Choice Questions (MCQs). All questions, except those in the English Comprehension section, are available in both English and Hindi. There is a penalty of 0.50 marks for each incorrect answer.

## Maths for SSC CGL 2024 - Tier 2

SSC CGL Tier 2 consists of three papers. Module I of Section I of Paper I is dedicated to Mathematical Abilities, featuring 30 questions, each worth 3 marks. Below, we have listed the topics covered under Maths for the SSC CGL 2024 Tier 2 exam, as outlined in the

[official SSC CGL notification](#)

- **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.

## SSC CGL 2024 Exam Pattern - Tier 2

Before beginning your preparation for Maths for SSC CGL 2024 exam, it's crucial to understand the exam pattern. Familiarity with the pattern helps you strategize your approach, boosts your confidence in tackling different question types, and improves your time management and problem-solving skills.

## Maths for SSC CGL 2024 - Topic Wise Weightages

### Scheme of Tier-II Examination:

Tier	Paper	Session	Subject	Number of Questions	Maximum Marks	Time allowed
II	Paper-I:	Session-I (2 hours and 15 minutes)	<b>Section-I:</b>			1 hour (For each section)
			<b>Module-I:</b> Mathematical Abilities	30	60*3	(1 hours and 20 minutes for the candidates eligible for scribe as per Para-7.1, 7.2 and 7.3)
			<b>Module-II:</b> Reasoning and General Intelligence.	30	= 180	
			Total = 60			
<b>Section-II:</b>						
			<b>Module-I:</b> English Language and Comprehension	45	70*3	
			<b>Module-II:</b> General Awareness	25	= 210	
			Total = 70			
			<b>Section-III:</b>			
			<b>Module-I:</b> Computer Knowledge Module	20	20*3 = 60	15 Minutes (For each module)
						(20 minutes for the candidates eligible for scribe as per Para-7.1, 7.2 and 7.3)
		Session-II (15 minutes)	<b>Section-III:</b>			
			<b>Module-II:</b> Data Entry Speed Test Module	One Data Entry Task	-	
	<b>Paper-II</b>		Statistics	100	100*2 = 200	2 hours (2 hours and 40 minutes for the candidates eligible for scribe as per Para-7.1, 7.2 and 7.3)

[Source: ssc.gov.in]

In Tier 2 of the SSC CGL exam, Paper I and Paper II will be held in separate shifts or on different days. Paper I is mandatory for all candidates, while Paper II is only for those applying for the Junior Statistical Officer (JSO) positions in the Ministry of Statistics and Programme Implementation, or Statistical Investigator Grade-II roles in the office of the Registrar General of India, and who are shortlisted in Tier 1 for these posts.

## Maths for SSC CGL 2024 - Topic Wise Weightages

Tier 2 of the SSC CGL exam (Paper I & Paper II) will feature Objective Type Multiple Choice Questions, with the exception of 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. There will be a negative marking of 1 mark for each incorrect answer in Section I, Section II, and Module I of Section III of Paper I, and 0.50 marks for each wrong answer in Paper II.

## Maths for SSC CGL 2024 - How to prepare?

Preparing for the Maths for SSC CGL 2024 requires a strategic approach, consistent practice, and a good understanding of fundamental concepts. Here are some tips to help you prepare effectively:

- **Understand the Syllabus and Exam Pattern:** Familiarize yourself with the detailed syllabus and **exam pattern** for both Tier 1 and Tier 2. This helps in prioritizing topics based on their weightage and understanding the types of questions asked.
- **Create a Study Plan:** Develop a study plan that allocates time for each topic based on its difficulty and importance. Include time for revision and practice.
- **Practice Regularly:** Solve **previous years' question papers** and take **mock tests** to gauge your preparation level. This helps in understanding the exam format and improving your speed and accuracy.
- **Time Management:** Practice solving questions within the time limits to enhance your time management skills. This is crucial for handling the pressure during the actual exam. Moreover, If you're struggling with your Maths, check out

**SSC CGL Maths Free Classes - By Ajay Rana Sir**

In conclusion, a strategic approach to preparing for the Maths for SSC CGL 2024 exam can make a significant difference in your performance. By thoroughly understanding the syllabus, focusing on key topics, and practising consistently with a range of materials, you can enhance your problem-solving skills and boost your confidence. Remember to regularly assess your progress and adjust your study plan as needed. With dedication and a well-structured preparation strategy, you'll be well-equipped to tackle the Maths section effectively and achieve a strong score in the SSC CGL 2024 exam. Best of luck with your preparation!