

## Math Syllabus for SSC CPO - Topic wise weightages

Hey there, future **SSC** CPO rock-star! Dreaming of serving law and order and cracking the SSC CPO exam? But math syllabus for SSC CPO got you feeling a little nervous? Don't worry, we've got your back! This blog is your one-stop guide to conquer the Math syllabus for SSC CPO. We'll break down the key areas you need to focus on, making math syllabus for SSC CPO fun and manageable along with topic wise weightages and some preparation tips as well. So, are you ready to transform from math-anxious to math-awesome?

## Math Syllabus for SSC CPO Exam 2024 - Overall Topics

The math section is one of the most important sections in the SSC CPO exam. A total of 50 questions are asked in this section as well. The following are the key syllabus topics –

### SSC CPO MATHS SYLLABUS

- Whole numbers
- Decimals
- Fractions and relationships between numbers
- Percentage
- Ratio and Proportion
- Square roots
- Averages
- Interest
- Profit & Loss
- Discount
- Partnership
- Business
- Mixture and Alligation
- Time and distance
- Time & work

- Basic algebraic identities of School Algebra and 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 square base
- Trigonometric ratios
- Degree and Radian Measures
- Standard Identities
- Complementary angles
- Heights and Distances
- Histogram
- Frequency polygon
- Bar diagram & Pie chart.

[Source: KD Live]

Now that you've got an idea of the overall topics in the math syllabus for SSC CPO, next up we'll uncover the topic-wise weightage of the math syllabus for SSC CPO exam 2024.

## Math Syllabus for SSC CPO Exam 2024 - Topic wise weightage

This segment of the math syllabus for SSC CPO equips you with a strategic weapon: a breakdown of the math syllabus for SSC CPO by providing topic-wise weighting for the SSC CPO 2024 exam. By understanding which topics carry more weight, you can prioritize your study efforts and maximize your score.



## Math Syllabus for SSC CPO - Topic wise weightages

Here's the math syllabus for the SSC CPO exam, categorized by weightage:



## Math Syllabus for SSC CPO - Topic wise weightages

Quantitative Aptitude	
Topics	Weightage
Algebra (Quadratic and Linear Equation, Identities etc.)	4 - 6
Geometry (Quadrilateral, Triangles, Circles, Chords, Cubes, cones etc.)	4 - 6
Simplification (Fractions, BODMAS related numerical, Decimals, Ratios etc.)	4 - 5
Profit and Loss (Discounts and Marked Prices, Problems on Profit and Loss, Multiple sales of the same asset, etc.)	4 - 5
Data Interpretations (on Bar graph, Table, Pie Chart, Line Chart)	4 - 5
Mensuration (Area, Surface Area and Volume of various Geometric Shapes)	3 - 5
Trigonometry (Height and distances, Identities, Trigonometric ratios etc)	3 - 5
Ratios and Proportions (Partnership, Simple and compound ratios, Direct and indirect proportions)	3 - 4
Average (Average related problems on height, weight, age, marks, money expenditure, temperature etc.)	2 - 3
Number Systems (Rational, irrational Numbers, LCM, HCF, integers)	1 - 3
Speed, Time and Distance (Problems with River, Boats and Streams, Relative speed etc.)	1 - 3
Simple Interest (Problems on Simple and compound interest)	1 - 3
Percentage (Basic Percentage)	1 - 2
Time and work (Time and Work, Work and Wages, Work efficiency, Pipes and cisterns etc.)	1 - 2
Mixture Problems (on mixtures of 2 or 3 quantities and their ratios)	1 - 2





## Math Syllabus for SSC CPO - Topic wise weightages

# Math Syllabus for SSC CPO Exam 2024 - Priority Topics

The SSC CPO exam throws some tricky math problems your way, but don't worry! Here are the top 5 priority math topics you absolutely need to master, along with how much "weightage" they carry in the exam (how many questions you might see):

### Algebra (4-6 Questions)

- This covers equations (like balancing scales!), especially linear and quadratic ones. You'll also need to understand special shortcuts called "identities" to solve problems faster.

### Geometry (4-6 Questions)

- Get ready to battle with shapes! Triangles, squares, circles, 3D figures - understanding their properties will help you solve geometry problems like a champ.

### Simplification (4-6 Questions)

- Master the art of simplifying fractions, decimals, and ratios. Remember BODMAS (order of operations) - it's like a secret code for tackling tricky calculations quickly and accurately.

### Profit & Loss (4-5 Questions)

- Imagine you're running a shop. This section tests your skills in calculating discounts, marked prices, and figuring out profits or losses in business deals.

### Data Interpretation (4-5 Questions)

- Data comes in all shapes and sizes: bar graphs, tables, pie charts, line charts. This section tests your ability to analyze and understand this information, just like a detective looking for clues!

While these are the top 5 priority topics, don't neglect the other topics! Consistent practice and solving past year papers will make you a master of the math syllabus for SSC CPO exam. Let us move forward and give you a brief overview of the SSC CPO Exam pattern 2024.

# Math Syllabus for SSC CPO Exam 2024 - Exam Pattern

The SSC CPO Exam Pattern comprises two papers - Paper 1 and Paper 2, each of which will be conducted for 200 marks. While the first paper will have 4 sections on General Reasoning, General Knowledge, Quantitative Aptitude and English Comprehension, Paper 2 will be a test of English Language and Comprehension. There will be a negative marking of 0.25 marks for every wrong answer as per the exam pattern detailed in the [official notification](#).

## Math Syllabus for SSC CPO - Topic wise weightages

### Paper-I:

Part	Subject	Number of Questions	Maximum Marks	Time Duration
I	General Intelligence and Reasoning	50	50	2 Hours
II	General Knowledge and General Awareness	50	50	
III	Quantitative Aptitude	50	50	
IV	English Comprehension	50	50	

[Source: ssc.gov.in]

### PAPER-II:

Subject	Number of Questions	Maximum Marks	Time Duration
English language & Comprehension	200	200	2 Hours

[Source: ssc.gov.in]

For more detailed information, read our blog [SSC CPO Exam Pattern 2024](#) by clicking on the embedded link.

## Math Syllabus for SSC CPO Exam 2024 - Preparation Tips & Tricks

Feeling nervous about the [math syllabus](#) for the SSC CPO exam 2024? Don't sweat it! Here are five battle-tested tips to help you conquer those math problems and emerge victorious:



## Math Syllabus for SSC CPO - Topic wise weightages

1. **Master the Basics:** Before diving into complex concepts, solidify your foundation in arithmetic operations (addition, subtraction, multiplication, division), fractions, decimals, and percentages. These are the building blocks for tougher problems.
2. **Befriend Formulas:** Formulas are your secret weapons in the math section. Focus on memorizing and understanding key formulas related to areas like profit and loss, time and distance, and averages. Practice applying them to solve problems.
3. **Practice Makes Perfect:** Don't just memorize; solve! Regularly practice problems from previous years' SSC CPO exams and mock tests. This will boost your speed, accuracy, and familiarity with different question types.
4. **Time Management is Key:** The SSC CPO math section is timed. Practice managing your time effectively during **mock tests**. Allocate more time to challenging problems and avoid getting stuck on any single question.
5. **Don't Panic!** If you encounter a tricky problem, stay calm. Reread the question carefully, break it down into smaller steps, and use elimination if necessary. Sometimes, a simple approach can lead you to the answer.

With this comprehensive guide on the Math syllabus for SSC CPO and battle-tested tips, you're well prepared to conquer the math syllabus for SSC CPO Exam 2024. With focused practice and a can-do spirit, you'll be a mathematics genius! Also, make sure to revisit **KD Live** for more such blogs on **SSC CPO Exam 2024**. Best of Luck!