

SSC-CGL SYLLABUS:

SSC-CGL TIER I SYLLABUS:

1. Quantitative Aptitude

1. Computation of whole numbers
2. Decimals
3. Fractions
4. Relationships between numbers
5. Profit and Loss
6. Discount
7. Partnership Business
8. Mixture and Alligation
9. Time and distance
10. Time & Work
11. Percentage
12. Ratio and proportion
13. Square roots
14. Averages
15. Interest
16. Basic algebraic identities of School Algebra & Elementary surds
17. Graphs of Linear Equations
18. Triangle and its various kinds of centres
19. Congruence and similarity of triangles
20. Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles
21. Triangle
22. Quadrilaterals
23. Regular Polygons

24. Right Prism
25. Right Circular Cone
26. Right Circular Cylinder
27. Sphere
28. Heights and Distances
29. Histogram
30. Frequency polygon
31. Bar diagram & Pie chart
32. Hemispheres
33. Rectangular Parallelepiped
34. Regular Right Pyramid with triangular or square base
35. Trigonometric ratio
36. Degree and Radian Measures
37. Standard Identities
38. Complementary angles

2. General Intelligence and Reasoning

1. Analogies
2. Similarities and differences
3. Space visualization
4. Spatial orientation
5. Problem-solving
6. Analysis
7. Judgment
8. Blood Relations
9. Decision making
10. Visual memory
11. Discrimination
12. Observation

13. Relationship concepts
14. Arithmetical reasoning
15. Figural classification
16. Arithmetic number series
17. Non-verbal series
18. Coding and decoding
19. Statement conclusion
20. Syllogistic reasoning

3. English Language

1. Idioms and Phrases
2. One word substitution
3. Sentence Correction
4. Error Spotting
5. Fill in the Blanks
6. Spellings Correction
7. Reading Comprehension
8. Synonyms-Antonyms
9. Active Passive
10. Sentence Rearrangement
11. Sentence Improvement
12. Cloze test

4. General Awareness

1. India and its neighboring countries especially pertaining to History, Culture, Geography, Economic Scene, General Policy & Scientific Research
2. Science
3. Current Affair
4. Books and Authors
5. Sports

6. Important Schemes
7. Important Days
8. Portfolio
9. People in News
10. Static GK

SSC-CGL TIER II SYLLABUS:

1. Mathematical Abilities:

Number Systems: Computation of Whole Number, Decimal and Fractions, Relationship between numbers.

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.

Algebra: Basic algebraic identities of School Algebra and Elementary surds (simple problems) and Graphs of Linear Equations.

Geometry: Familiarity with elementary geometric figures and facts: 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.

2. Reasoning and General Intelligence

Questions of both verbal and non-verbal type. These will include questions on Semantic Analogy, Symbolic operations, Symbolic/ Number Analogy, Trends, Figural Analogy, Space Orientation, Semantic Classification, Venn Diagrams, Symbolic/ Number Classification, Drawing inferences, Figural Classification, Punched hole/ pattern-folding & unfolding, Semantic Series, Figural Pattern-folding and completion, Number Series, Embedded figures, Figural Series, Critical Thinking, Problem Solving, Emotional Intelligence, Word Building, Social Intelligence, Coding and de-coding, Numerical operations, Other sub-topics, if any.

3. English Language and Comprehension

Vocabulary, grammar, sentence structure, synonyms, antonyms and their correct usage; Spot the Error, Fill in the Blanks, Synonyms/ Homonyms, Antonyms, Spellings/ Detecting misspelt words, Idioms & Phrases, One word substitution, Improvement of Sentences, Active/ Passive Voice of Verbs, Conversion into Direct/ Indirect narration, Shuffling of Sentence parts, Shuffling of Sentences in a passage, Cloze Passage, Comprehension Passage. To test comprehension, three or more paragraphs will be given and questions based on those will be asked. At least one paragraph should be a simple one based on a book or a story and the other two paragraphs should be on current affairs, based on a report or an editorial.

4. General Awareness

Questions are designed to test the candidates' general awareness of the environment around them and its application to society. Questions are also designed to test knowledge of current events and of such matters of everyday observation and experience in their scientific aspect as may be expected of an educated person. The test will also include questions relating to India and its neighboring countries especially pertaining to History, Culture, Geography, Economic Scene, General policy and scientific research.

Computer Proficiency

Computer Basics: Organization of a computer, Central Processing Unit (CPU), input/ output devices, computer memory, memory organization, back up devices, PORTs, Windows Explorer. Keyboard shortcuts.

Software: Windows Operating system including basics of Microsoft Office like MS word, MS Excel and Power Point etc.

Working with Internet and e-mails: Web Browsing & Searching, Downloading & Uploading, Managing an E-mail Account, e-Banking.

Basics of networking and cyber security: Networking devices and protocols, Network and information security threats (like hacking, virus, worms, Trojan etc.) and preventive measures.

Paper-II (Statistics):

Collection, Classification and Presentation of Statistical Data – Primary and Secondary data, Methods of data collection; Tabulation of data; Graphs and charts; Frequency distributions; Diagrammatic presentation of frequency distributions.

Measures of Central Tendency- Common measures of central tendency – mean median and mode; Partition values- quartiles, deciles, percentiles.

Measures of Dispersion- Common measures dispersion – range, quartile deviations, mean deviation and standard deviation; Measures of relative dispersion.

Moments, Skewness and Kurtosis – Different types of moments and their relationship; meaning of skewness and kurtosis; different measures of skewness and kurtosis.

Correlation and Regression – Scatter diagram; simple correlation coefficient; simple regression lines; Spearman's rank correlation; Measures of association of attributes; Multiple regression; Multiple and partial correlation (For three variables only).

Probability Theory – Meaning of probability; Different definitions of probability; Conditional probability; Compound probability; Independent events; Bayes' theorem.

Random Variable and Probability Distributions – Random variable; Probability functions; Expectation and Variance of a random variable; Higher moments of a random variable; Binomial, Poisson, Normal and Exponential distributions; Joint distribution of two random variable (discrete).

Sampling Theory – Concept of population and sample; Parameter and statistic, Sampling and non-sampling errors; Probability and non-probability sampling techniques (simple random sampling, stratified sampling, multistage sampling, multiphase sampling, cluster sampling, systematic sampling, purposive sampling, convenience sampling and quota sampling); Sampling distribution (statement only); Sample size decisions.

Statistical Inference - Point estimation and interval estimation, Properties of a good estimator, Methods of estimation (Moments method, Maximum likelihood method, Least squares method), Testing of hypothesis, Basic concept of testing, Small sample and large sample tests, Tests based on Z, t, Chi-square and F statistic, Confidence intervals.

Analysis of Variance - Analysis of one-way classified data and two-way classified data.

Time Series Analysis - Components of time series, Determinations of trend component by different methods, Measurement of seasonal variation by different methods.

Index Numbers - Meaning of Index Numbers, Problems in the construction of index numbers, Types of index number, Different formulae, Base shifting and splicing

Paper-III: For candidates applying for the post of Assistant Audit Officer/Assistant Accounts Officer

Finance and Accounts

- Fundamental Principles and Basic Concepts of Accounting
- Financial Accounting
- Basic Concepts of Accounting

Economics and Governance

- Comptroller & Auditor General of India
- Finance Commission
- Basic Concept of Economics and Introduction to Microeconomics
- Theory of Demand and Supply
- Theory of Production and Cost
- Forms of Market and Price Determination
- Indian Economy
- Economic Reforms in India
- Money and Banking
- Role of Information Technology in Governance