

SSC CGL EXAM PATTERN (2023)

<u>Tier-1</u>								
Subject	Aptitude & Reasoning	GK	Maths	English	Total Question	Remarks Total Time: 1 hour		
Questions	25	25	25	25	100	Correct +2 Wrong -0.5		
<u>Tier 2</u>								
	Section I			Section II			Section III	
Subject	Math	Reasoning & Aptitude	Total Marks	English	GK	Total Marks	Computer	Total marks
			180			210		60
Questions	30	30	Correct +3 Wrong -1	45	25	Correct +3 Wrong -1	20	Correct +3 Wrong -1
Timings	1 Hour			1 Hour			15 Min	

Syllabus for Tier I

(This paper is compulsory to pass)

Only qualifying- not to be counted in merit

SSC CGL Maths Syllabus		
Average	Time & Work	Quadrilaterals
Boat and Stream Question	Percentage	Regular Polygons
Fractions	Ratio & Proportion	Right Prism
Compound & Simple Interest	Square roots	Right Circular Cone
Profit and Loss	LCM & HCF	Right Circular Cylinder
Discount	Pipes & Cistern	Sphere
Partnership Business	Basic algebraic identities	Heights and Distances
Mixture and Alligation	Graphs of Linear Equations	Histogram
Time and distance	Triangle	Frequency polygon
Bar diagram & Pie chart	Standard Identities	Data Interpretation
Hemispheres	Trigonometric ratio	Miscellaneous

General Intelligence and Reasoning (CGL TIER 1)

Alphabet Test	Logical Venn diagram	Counting of figures
Analogy	Missing Number	Distance direction test
Arithmetic Reasoning	Paper-cutting & folding	Syllogism
Blood Relation	Embedded figures	Matrix
Classification	Pattern Completion	Cube & Dice
Coding decoding	Figure Series	Mirror Image

English (CGL TIER 1)		
Spellings Correction	Error Spotting	Reading Comprehension
One word Substitution	Synonyms and Antonyms	Sentence Rearrangement
Phrases and Idioms	Fill in the Blanks	Sentence Improvement
Sentence Correction	Active Passive	Cloze test

CGL TIER 1

General Awareness		
Topics	Weightage	SSC CGL General Awareness Syllabus
Current Affairs	5-6	International Affairs, National Affairs
Economy & Finance	2	Economics, Features of the Indian Economy
Geography	3-4	Indian Geography, World Geography, Physical Geography
History	3-4	History of India, World History
Indian Polity & Constitution	2-3	Indian Polity & Constitution
Science & Technology	5-6	Biology, Chemistry, Computer, Discoveries & Inventions, Other Information, Physics, Space, Defence in India
Static GK	5-6	Honours & Awards, Important Dates, Miscellaneous, National & International Organisations, Other Information, Sports, Art & Culture, Books & Authors

CGL TIER 2

(Compulsory for all posts, counted for merit)

Paper 1 (Three Sections)

QUANTITATIVE APTITUDE

SSC CGL Quant Syllabus	Advance Maths
Ratio and Proportion	Geometry (Circles, Triangle, Quadrilateral, etc.)
LCM & HCF	Mensuration (Cube, Cylinder, Sphere, Pyramid, etc.)
Percentages	Data Interpretation
Boat & Stream	Trigonometry
Speed, time, and distance	Height & Distance
Partnership	Algebra
CI & SI	Coordinate Geometry
Pipes & Cistern	Miscellaneous
Problem on Ages	
Time & Work	
Average	
Mixture & Allegation	
Profit loss & Discount	
Miscellaneous	

Reasoning

Cube & Dice	Similarities and differences
Blood Relations	Missing Number
Analogy	Paper-cutting & folding
Counting of figures	Embedded figures
Classification	Alphabet Test
Coding decoding	Figure Series
Syllogism	Arithmetic number series
Non-verbal series	Statement conclusion

English

Reading Comprehension	Fill in the Blanks
Para jumbles	Correct Spelling
Direct/ Indirect Speech	One Word Substitution
Synonyms/ Antonyms	Error Spotting
Idiom & Phrases	Cloze Test
Sentence Improvement	Sentence Rearrangement
Active Passive	Miscellaneous

TIER 2: STATISTICS

Paper II(Total question-100 & marks 200)

- **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; the 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 correlations (For three variables only).
- **Probability Theory:** Important topics in the tier 2 SSC CGL syllabus include, 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 variables (discrete).
- **Index Numbers:** Meaning of Index Numbers, Problems in the construction of index numbers, Types of an index number, Different formulae, Base shifting and splicing of index numbers, Cost of living Index Numbers, Uses of Index Numbers.
- **Sampling Theory:** Concept of population and sample; Parameter and statistic, Sampling and non-sampling errors; Probability and nonprobability 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, Determination of trend components by different methods, Measurement of seasonal variation by different methods.

CGL TIER 2

Paper III

Finance and Economics consists of a total of 100 questions carrying 200 marks in total.

Part A: Finance and Accounts - (80 marks):

- **Financial Accounting:** Nature and scope, Limitations of Financial Accounting, Basic concepts and Conventions, Generally Accepted Accounting Principles
- **Basic concepts of accounting:** Single and double entry, Books of Original Entry, Bank Reconciliation, Journal, Ledgers, Trial Balance, Rectification of Errors, Manufacturing, Trading, Profit & Loss Appropriation Accounts, Balance Sheet, Distinction between Capital and Revenue Expenditure, Depreciation Accounting, Valuation of Inventories, Non-profit organisations Accounts, Receipts and Payments, and Income & Expenditure Accounts, Bills of Exchange, Self Balancing Ledgers

Part B: Economics and Governance - (120 marks):

- **Comptroller & Auditor General of India:** Constitutional provisions, Role, and responsibility, Finance Commission-Role and functions.
- **Basic Concept of Economics and introduction to Microeconomics:** Definition, Scope and nature of Economics, Methods of economic study, Central problems of an economy, Production possibilities curve

Theory of Demand and Supply:

- Meaning and determinants of demand, Law of demand and Elasticity of demand, Price, Theory of consumers' behaviour, Income, and cross elasticity
- Marshallian approach and Indifference curve approach
- Meaning and determinants of supply, Law of supply
- The elasticity of Supply

Theory of Production and cost: Meaning and Factors of production, Laws of production- Law of variable proportions and Laws of returns to scale.

Forms of Market and price determination in different markets: Various forms of markets-Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly, Price determination in these markets.

Indian Economy:

- Nature of the Indian Economy Role of different sectors, Role of Agriculture, Industry and Services-their problems and growth.
- National Income of India-Concepts of national income, Different methods of measuring national income.
- Poverty and unemployment- Absolute and relative poverty, types, causes and incidence of unemployment.
- Infrastructure-Energy, Transportation, Communication.
- Population-Its size, rate of growth and its implication on economic growth.

Economic Reforms in India: Economic reforms since 1991, Liberalisation, Privatisation, Globalisation, Disinvestment

Money and Banking: Monetary/ Fiscal policy- Role and functions of Reserve Bank of India; functions of commercial Banks/RRB/Payment Banks, Budget and Fiscal deficits and Balance of payments, Fiscal Responsibility and Budget Management Act, 2003.

Role of Information Technology in Governance.