

SSC CGL Tier II Exam 2016 Detailed Syllabus

Tier-II of the Examination :

Paper-I : Quantitative Ability : The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be the computation of 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

Paper- II : English Language & Comprehension: Questions in this component will be designed to test the candidate's understanding and knowledge of English Language and will be based on spot the error, fill in the blanks, synonyms, antonyms, spelling/detecting mis-spelt 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.

Paper-III : Statistics for Investigator Grade-II, Ministry of Statistics & Programme Implementation & Compiler in RGI.

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 of index numbers, Cost of living Index Numbers, Uses of Index Numbers.

Paper IV: General Studies (Finance and Economics) for the post of Assistant Audit Officer in Indian Audit & Accounts Department under CAG.

Part A: Finance and Accounts-(80 marks)

1. Fundamental principles and basic concept of Accounting. 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)

2. Comptroller & Auditor General of India- Constitutional provisions, Role and responsibility

3. Finance Commission-Role and functions

4. Basic Concept of Economics and introduction to Micro Economics - Definition, scope and nature of Economics, Methods of economic study and Central problems of an economy and Production possibilities curve

5. Theory of Demand and Supply- Meaning and determinants of demand, Law of demand and Elasticity of demand, Price, income and cross elasticity; Theory of consumer's behaviour-Marshallian approach and Indifference curve approach, Meaning and determinants of supply, Law of supply and Elasticity of Supply.

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

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

8. 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 Population-Its size, rate of growth and its implication on economic growth Poverty and unemployment- Absolute and relative poverty, types, causes and incidence of unemployment Infrastructure-Energy, Transportation, Communication

9. Economic Reforms in India- Economic reforms since 1991; Liberalisation, Privatisation, Globalisation and Disinvestment

10. 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

11. Role of Information Technology in Governance-

NOTE-III: Any representation to key of the examination will be scrutinized with the help of experts, wherever necessary, and evaluation in that case will be done with modified answer key. The decision of the Commission in this regard will be final and no further representation will be entertained.

9 (E): Skill Test: For the post of Tax Assistants (Central Excise & Income Tax): Data Entry Speed Test (DEST) at 8,000 (eight thousand) Key Depression per hour on Computer. The “Data Entry Speed” Skill Test at 2000 (two thousand) key depressions for a duration of 15 (fifteen) minutes will be of qualifying nature. Computer will be provided by the Commission at the Centre/venue notified for the purpose.

Candidates shall not be allowed to bring their own Key-board. The Skill test will be conducted in the manner decided by the Commission for the purpose. Only those candidates who secure at least the minimum qualifying marks in the written examination as may be fixed by the Commission at their discretion, will be eligible to appear in the SKILL TEST.

The SKILL TEST will be held at the Commission’s Regional/Sub Regional Offices or at other Centres as may be decided by the Commission.

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