

SSC CGL Exam Syllabus: Staff Selection Commission (SSC) Combined Graduate Level Examination will be conducted in phases. Tier I & Tier II Exam syllabus details are given below.....

Syllabus for Combine Graduate Level Tier-I Examination:

A. General Intelligence & Reasoning : It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualization, spatial orientation, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are, Semantic Analogy, Symbolic/Number Analogy, Figural Analogy, Semantic Classification, Symbolic/Number Classification, Figural Classification, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, symbolic Operations, Trends, Space Orientation, Space Visualization, Venn Diagrams, Drawing inferences, Punched hole/pattern –folding & un-folding, Figural Pattern – folding and completion, Indexing, Address matching, Date & city matching, Classification of centre codes/roll numbers, Small & Capital letters/numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence.

B. General Awareness : Questions in this component will be aimed at testing the candidates general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current events and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining History, Culture, Geography, Economic Scene, General Policy & Scientific Research.

C. Quantitative Aptitude : 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 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.

D. English Comprehension: Candidates' ability to understand correct English, his basic comprehension and writing ability, etc. would be tested.

Note: The questions in Parts A, B, & D will be of a level commensurate with the essential qualification viz. Graduation and questions in Part C will be of 10th standard level.

Syllabus for Combine Graduate Level (Tier-II) Examination:

Module-I of Session-I of Paper-I (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, 22 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.

Module-II of Section-I of Paper-I (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.

Module-I of Section-II of Paper-I (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 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. 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.

Module-II of Section-II of Paper-I (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.

Module-I of Section-III of Paper-I (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 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 24 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.

Questions in Module-I of Section- I of Paper-I (Mathematical Abilities) will be of Matriculation Level, in Module-I of Section- II of Paper-I (English Language and Comprehension) of 10+2 Level and in Paper-II and Paper-III of Graduation Level.

Document Verification (DV):

Document Verification (DV) will be conducted by the User Departments/Organizations after declaration of the final result.

Staff Selection Commission recruits personnel as per the vacancies reported by the User Ministries/Departments/Organizations. The Commission has no role in determination of total vacancies (Vertical & Horizontal) arising in a User Ministry/Department/Organization, backlog vacancies, segregation of vacancies under various reserved categories and vacancies reported to be filled up by direct recruitment. After declaration of final result of the examination, dossiers of selected candidates are forwarded to the User Ministries/Departments/Organizations. The User Ministries/Departments/Organizations shall accept the dossiers forwarded after declaration of final result. No User Ministry/Department/Organization shall return the dossier(s) of selected candidates on the ground of non-availability of Horizontal vacancies or on the ground that a Horizontal vacancy exists but the dossier of that category has not been provided by the Commission.

Preference for various posts and departments will be taken from the candidates through Online Option Form on the website of the Commission before declaration of final result. A candidate will not be considered for a Post and Ministry/ Department/ Organization, if he has not indicated his preference for it. Options once submitted shall be treated as final and will not be changed subsequently under any circumstances. Therefore, candidates must be careful in exercise of such options.

Candidates, who do not submit their post preference(s) on the website of the Commission within the stipulated time, will not be considered for any post in the Final Result. Such candidates shall not be provided with another opportunity to exercise preference for posts and will be solely responsible for the same. Any grievance received in this regard in any form like Post, Fax, Email, by hand, etc. shall not be entertained by the Commission and will be summarily rejected.

While giving preference of the posts/ Departments online, the candidates may note that the following posts have specific requirements of Physical Standards, Physical Tests and Medical Standards:

Inspector	(Central	Excise)-CBIC
Inspector		(Examiner)-CBIC
Inspector	(Preventive	Officer)-CBIC
Inspector-CBN		

Sub-Inspector-CBN, Ministry of Finance
Sub-Inspector/ Junior Intelligence Officer in NCB, MHA
Sub-Inspector-CBI
Sub-Inspector-NIA

Candidates must ensure that they fulfill all the requirements of Physical Standards, Physical Tests and Medical Standards before giving their preferences/ options. Measurement of Physical Standards, Physical Tests and Medical Tests will be conducted by the User Department concerned after final selection and nomination of candidates by the Staff Selection Commission. If a candidate fails in such tests, his candidature will not be subsequently considered for any other post/ department. Candidates are therefore required to carefully go through these requirements and give their considered preference of posts/ Departments

Candidates have to bring two passport size recent colour photographs and one original Photo ID Proof as listed at Para 14.7 above while appearing for the Document Verification.

Candidates will have to submit copies of following documents:

Matriculation/ Secondary Certificate.
Educational Qualification Certificate.
Caste/ Category Certificate, if belongs to reserved categories.
Persons with Benchmark Disabilities Certificate in the required format, if applicable.
For Ex-Servicemen (ESM):
Serving Defence Personnel Certificate as per Annexure-VIII, if applicable.
Undertaking as per Annexure-IX.
Discharge Certificate, if discharged from the Armed Forces.
Relevant Certificate if seeking any age relaxation.
Certificate as per Annexure-VII by the Central Government Civilian Employees.
No Objection Certificate, in case already employed in Government/ Government undertakings.

A candidate who claims change in name after matriculation on marriage or remarriage or divorce, etc. the following documents shall be submitted:
In case of marriage of women: Photocopy of Husband's passport showing names of spouses or an attested copy of marriage certificate issued by the Registrar of

Marriage or an Affidavit from husband and wife along with a joint photograph duly sworn before the Oath Commissioner;

In case of re-marriage of women: Divorce Deed/ Death Certificate as the case may be in respect of first spouse; and photocopy of present husband's passport showing names of spouse or an attested copy of marriage certificate issued by the Registrar of Marriage or an Affidavit from the husband and wife along with joint photograph duly sworn before the Oath Commissioner.

In case of divorce of women: Certified copy of Divorce Decree and Deed Poll/ Affidavit duly sworn before the Oath Commissioner.

In other circumstances for change of name for both male and female: Deed Poll/ Affidavit duly sworn before the Oath

Commissioner and paper cuttings of two leading daily newspaper in original (One daily newspaper should be of the area of applicant's permanent and present address or nearby area) and Gazette Notification.

Any other document specified in the Admission Certificate for DV.