

# SSC CHSL Exam Syllabus

SSC CHSL Exam Syllabus Details: Staff Selection Commission's (SSC) conducted Combined Higher Secondary Level (10+2) Exam for the posts of Lower Divisional Clerk (LDC)/ Junior Secretariat Assistant (JSA), Data Entry Operator (DEO). Exam Syllabus details are given below...

## Syllabus:

### Computer Based Examination (Tier-I):

**I. General Intelligence:** It would include questions of both verbal and non-verbal type. The test 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.

**II. English Language:** 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..

### III. Quantitative Aptitude:

#### ARITHMETIC:

- ❖ 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 Allegation, 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.

- ❖ 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
- 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.
- STATISTICAL CHARTS : Use of Tables and Graphs: Histogram, Frequency polygon, Bar-diagram, Pie-chart
- General Awareness: Questions are designed to test the candidate's general awareness of the environment around him 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 neighbouring countries especially pertaining to History, Culture, Geography, Economic Scene, General policy and scientific research.
- Note-1: For VH candidates of 40% and above visual disability, there will be no component of Maps/ Graphs/ Diagrams/ Statistical Data in the General Intelligence and Quantitative Aptitude parts.

### **Computer Based Examination (Tier-II):**

- Module-I of Session-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 probabilities.

### **Module-II of Section-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 Page 20 of 65 & 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 subtopics, if any.

### **Module-I of Section-II (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, two 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 paragraph should be based on current affairs editorial or a report.

### **Module-II of Section-II (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.
- For VH candidates of 40% and above visual disability, there will be no component of Maps/ Graphs/ Diagrams/ Statistical Data in the Mathematical Abilities and Reasoning and General Intelligence modules.

#### **Skill Test for Data Entry Operator:**

- Skill Test is mandatory for Data Entry Operators. No candidate is exempted from appearing in the Skill Test.
- Part A – Skill Test for the post of DEO/ DEO Grade 'A' in Department/ Ministry mentioned at Para 8.1: The 'speed of 15000 (Fifteen Thousand) Key Depressions per hour on Computer' will be adjudged on the basis of the correct entry of words/ key depressions as per the given passage. The duration of the Test will be 15 (Fifteen) minutes and printed matter in English containing about 3700-4000 key-depressions would be given to each candidate who would enter the same in the Computer. The passage to be entered in the computer may also be displayed on the computer screen.
- Part B – Skill Test for the post of DEO/ DEO Grade 'A' except in Department/ Ministry mentioned at Para 8.1: 'Data Entry Speed of 8,000 (Eight Thousand) Key Depressions per hour on Computer' will be adjudged on the basis of the correct entry of words/ key depressions as per the given passage. The duration of the Test will be 15 (Fifteen) minutes and printed matter in English containing about 2000-2200 key-depressions would be given to each candidate who would enter the same in the Computer. The passage to be entered in the Computer may also be displayed on the computer screen.

Candidates eligible for scribe as per Para 7.1, 7.2 and 7.3 will be given compensatory time of 5 minutes. Therefore, duration of Skill Test for such candidates will be 20 minutes.

## **Typing Test for LDC/ JSA :**

- The medium of Typing Test will be Hindi or English. The candidates will have to opt for the medium of Typing Test (i.e. either Hindi or English) in the online Application Form.
- The choice of Typing Test given by the candidate in the online Application Form shall be treated as final and no change in the medium of Typing Test will be entertained later.
- Candidates opting for English medium should have typing speed of 35 words per minute (w.p.m.) and those opting for Hindi medium should have typing speed of 30 words per minute (w.p.m.). 35 w.p.m. and 30 w.p.m. correspond to about 10500 key depressions per hour and about 9000 key depressions per hour respectively.
- The speed will be adjudged on the accuracy of typing on the Computer of a given text passage in 10 minutes.
- Candidates eligible for scribe as per Para 7.1, 7.2 and 7.3 will be given compensatory time of 5 minutes. Therefore, duration of Typing Test for such candidates will be 15 minutes.
- Passage Dictators will be provided to those VH candidates for the Typing test who have opted for Scribe in the online Application Form. The Passage Dictator will read out the passage to VH candidate within the allotted time period.
- Persons with Disabilities candidates who claim to be permanently unfit to take the Typing Test because of a physical disability may, with the prior approval of the Commission, be exempted from the requirement of appearing and qualifying at such test, provided such a candidate submits a Certificate in the prescribed format (Annexure-XIV) to the Commission from the competent Medical Authority, i.e., the Civil Surgeon of a Government Health Care Institution declaring him to be permanently unfit for the Typing Test because of a physical disability. In addition, such candidates must substantiate their claim by furnishing the relevant Medical Certificate in the prescribed format as per Annexure-XI to

Annexure-XIII of the Notice of Examination, as applicable, at the time of Typing Test. Otherwise their claim for seeking exemption from Typing Test will not be entertained by the Commission..