QuickNotes

FREE STUDY NOTES · PDF

SSC CHSL 2026

Tier 1 & Tier 2 — English, Reasoning, Quant, General Awareness and Computer · all 10 units

10 units | Tables & formulas | Key revision points

01 Exam Pattern, Posts and Strategy

02 English I: Grammar

03 English II: Vocabulary and Comprehension

04 General Intelligence and Reasoning

05 Quantitative Aptitude I: Number System and Algebra

06 Quantitative Aptitude II: Arithmetic

07 Quantitative Aptitude III: Geometry, Mensuration and Trigonometry

08 General Awareness I: History and Polity

09 General Awareness II: Geography, Economy and Science

10 Computer Knowledge and Skill Test

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What's inside

Ten units of focused revision notes. Each unit ends with a box of key revision points.

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How to use these notes

- Read one unit at a time, then test yourself with its key revision points.
- Make your own short notes on topics you find difficult.
- Units follow the main areas of the official syllabus — the exact unit list can change between sessions.
- Always check the latest syllabus and notices on the official SSC website: **ssc.gov.in**.

UNIT 01

Exam Pattern, Posts and Strategy

Tier 1, Tier 2 and the skill test.

> Pattern below is from recent notifications — always check the current SSC notice on ssc.gov.in.

Stage	Sections	Questions / marks / time
Tier 1	English, General Intelligence, Quantitative Aptitude, General Awareness (25 Q each, 2 marks each)	100 Q, 200 marks, 60 minutes; −0.5 per wrong answer
Tier 2 — Section I	Mathematical Abilities (30 Q) + Reasoning (30 Q)	60 Q × 3 marks = 180; −1 per wrong answer
Tier 2 — Section II	English (40 Q) + General Awareness (20 Q)	60 Q × 3 marks = 180; −1 per wrong answer
Tier 2 — Section III	Computer Knowledge test + Skill / Typing test	Qualifying

- Posts — Lower Division Clerk / Junior Secretariat Assistant (LDC/JSA) and Data Entry Operator (DEO).
- Eligibility — Class 12 pass; usual age limit 18–27 years (relaxation for reserved categories).

★ Key revision points

- Tier 1 — 100 Q, 200 marks, 60 min.
- Tier 1 negative — 0.5.
- Tier 2 — 3 marks per question, −1 wrong.
- Computer and skill tests — qualifying.

UNIT 02

English I: Grammar

Rules behind error spotting and sentence improvement.

- Subject-verb agreement — 'Each of the boys **is**'; 'The team **is**' (collective noun as one unit).
- Tenses — no future tense after 'if/when/unless' in time clauses: 'If it **rains**, we will stay.'
- Articles — 'an hour', 'a university', 'the Ganga', no article before languages ('He speaks Hindi').
- Active/passive voice and direct/indirect speech — shift tense back in reported speech ('is' → 'was').

★ Key revision points

- Each/every — singular verb.
- No 'will' after 'if' in time clauses.
- 'An hour', 'a university'.
- Reported speech — tense shifts back.

UNIT 03

English II: Vocabulary and Comprehension

Synonyms, idioms, one-word substitution, spelling and RC.

Type	Examples
Idioms	A piece of cake — very easy; Once in a blue moon — rarely; Break the ice — start a conversation
One-word substitution	Omniscient — knows everything; Philanthropist — loves mankind; Bibliophile — loves books
Spelling	Accommodate, Embarrass, Millennium, Necessary, Occurrence

- Cloze test — read the full passage first; check grammar and tone for each blank.
- Reading comprehension — read the questions first; answer only from the passage.

★ Key revision points

- Omniscient — knows everything.
- Once in a blue moon — rarely.
- Accommodate — double c, double m.
- RC — answer from the passage.

UNIT 04

General Intelligence and Reasoning

Verbal and non-verbal reasoning.

- Analogy and classification — find the relation (word, number, letter) and the odd one out.
- Series — number, letter and figure series; coding-decoding with letter shifts.
- Non-verbal — mirror and water images, paper folding and cutting, embedded and counting figures (count triangles systematically).
- Venn diagrams, syllogism, blood relations, direction sense, order and ranking, missing number in a matrix.

★ Key revision points

- Mirror image — left and right swap.
- Water image — top and bottom swap.
- Count figures systematically.
- Ranking — total = top + bottom − 1.

UNIT 05

Quantitative Aptitude I: Number System and Algebra

Divisibility, HCF/LCM and algebra identities.

Item	Rule
Divisibility by 3 / 9	Sum of digits divisible by 3 / 9
Divisibility by 11	Difference of alternate digit sums is 0 or a multiple of 11
HCF × LCM	Product of two numbers
$(a + b)^2$	$a^2 + 2ab + b^2$
$a^3 + b^3$	$(a + b)(a^2 - ab + b^2)$
If $a + b + c = 0$	$a^3 + b^3 + c^3 = 3abc$

★ Key revision points

- HCF × LCM = product.
- Divisibility by 11 — alternate sums.
- $a + b + c = 0 \Rightarrow a^3+b^3+c^3 = 3abc$.
- $a^3 + b^3$ identity.

UNIT 06

Quantitative Aptitude II: Arithmetic

Percentage to time and distance.

- Percentage, profit and loss, discount (successive discounts a% and b% = a + b − ab/100).
- Simple and compound interest; ratio, proportion, partnership; averages; mixture and alligation.
- Time and work (LCM method); pipes and cisterns; speed, distance and time (km/h × 5/18 = m/s); trains and boats.

★ Key revision points

- Successive discounts — a + b − ab/100.
- km/h × 5/18 = m/s.
- Work — LCM of days.
- Average speed (equal distances) = 2xy ÷ (x + y).

UNIT 07

Quantitative Aptitude III: Geometry, Mensuration and Trigonometry

Formulas that appear every year.

Topic	Formula / fact
Triangle	Angle sum 180°; area = ½ × base × height
Circle	Area πr^2; circumference $2\pi r$; angle in a semicircle = 90°
Cylinder / cone / sphere volume	$\pi r^2 h$ / $\frac{1}{3}\pi r^2 h$ / $\frac{4}{3}\pi r^3$
Trigonometry	$\sin^2\theta + \cos^2\theta = 1$; sin 30° = ½; tan 45° = 1
Statistics	Mean, median, mode; data interpretation from tables and charts

★ Key revision points

- Angle in a semicircle — 90°.
- Sphere volume — $\frac{4}{3}\pi r^3$.
- $\sin^2\theta + \cos^2\theta = 1$.
- tan 45° = 1.

UNIT 08

General Awareness I: History and Polity

Key dates and Articles.

Item	Fact
Constitution	Adopted 26 Nov 1949; in force 26 Jan 1950
Fundamental Rights	Part III (Articles 12–35); Article 32 — constitutional remedies
Emergency	Article 352 (national), 356 (President's rule), 360 (financial)
Amendment	Article 368
Freedom struggle	INC 1885; Partition of Bengal 1905; Jallianwala Bagh 1919; Dandi March 1930; Quit India 1942
Battles	Plassey 1757; Panipat 1526, 1556, 1761

★ Key revision points

- Constitution in force — 26 Jan 1950.
- Article 32 — remedies.
- Article 356 — President's rule.
- Quit India — 1942.

UNIT 09

General Awareness II: Geography, Economy and Science

Static GK and everyday science.

- Geography — largest state by area: Rajasthan; Tropic of Cancer passes through 8 states; longest river in India: Ganga.
- Economy — GST from 1 July 2017; NITI Aayog formed 1 January 2015; financial year April–March.
- Physics — SI units: force newton, energy joule, power watt, pressure pascal.
- Biology — vitamin C deficiency: scurvy; D: rickets; A: night blindness; O−: universal donor, AB+: universal recipient. Chemistry — pH 7 is neutral.

★ Key revision points

- GST — 1 July 2017.
- Power — watt.
- Vitamin C — scurvy.
- O negative — universal donor.

UNIT 10

Computer Knowledge and Skill Test

Tier 2 Section III — both qualifying.

- Computer basics — hardware, software, memory (RAM, ROM, cache), OS, MS Office, internet, email, networking, security.
- Typing test (LDC/JSA) — English 35 words per minute or Hindi 30 words per minute on a computer.
- Data Entry skill test (DEO) — speed of about 8,000 key depressions per hour.
- Practice daily on a typing tutor; accuracy matters as much as speed.

★ Key revision points

- English typing — 35 wpm.
- Hindi typing — 30 wpm.
- DEO — 8,000 key depressions/hour.
- Computer test — qualifying.

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