

SSC CHSL Tier I Exam Analysis

12 October 2020

Questions asked in All Shifts



Questions Asked in the General Awareness Section

- Silent valley national park is located in which state? Kerala
- When is International Tiger day celebrated? 29th July
- What is Bhutan's national game?- Archery
- Goa liberation day?- December 19
- Saga dance is related to which state? Sikkim
- What is the symbol of element Tin? - Sn
- Which article is related to Emergency? Art 352
- Who is the governor of Jammu & Kashmir ? Manoj Sinha
- Who founded the Hyderabad city? Muhammad Quli Qutb Shah,
- Miss universe 2019 was from which country? Zozibini Tunzi of South Africa
- What is the speed of sound in distilled water at 25C in m/s?
- What is the PH of human blood? - 7.35-7.45 (Slightly Basic)
- Where is Pulikat lake located? Coromandel Coast of Andhra Pradesh
- What is the origin of Ganga River? Gangotri Glacier
- How many times Pankaj Advani has won the world billiards Championship? Pankaj Advani has won 21 world titles and 21 national titles. As a junior, Advani has won 11 Indian titles
- Who is the chief minister of Haryana? Manohar Lal Khattar
- Who was the excavator of Mohenjo daro? discovered in 1922 by R. D. Banerjee
- What is the minimum age of the President? 35 Years
- Who won the crystal award 2020? Deepika Padukone
- Who won Dada saheb phalke award 2018? - Amitabh Bachchan
- What do we use to prevent iron from rusting? - Galvanization, protective layer of zinc
- India' rank in cancer preparedness index? - Eight
- World thyroid day ? - May 25th
- Who is the President of Maldives?- Ibrahim Mohamed Solih
- Happiness Index Report - Published by United Nations Sustainable Development Solutions Network and INDIA Rank 144 out of 156 countries
- Chief minister of West Bengal? - Mamata Banerjee
- Who is the CBI director ?- Rishi Kumar Shukla
- Article 85 is related to ? - It is about sessions of Parliament, prorogation and dissolution
- Ottoman Empire is from which country? - Turkey
- Which city topped the smart city index? Hyderabad
- Losang festival is celebrated in which state? Sikkim
- Vegetation found in desert is known as _____. Xerophytes
- What is the new name of Hailey National Park? - Jim Corbett,
- What is the date of Samvidhan Divas?
- What is the date of World milk day?
- Who is the Governor of Jammu & Kashmir?
- One question related to Alauddin Khilji was asked.

Questions Asked in the Quantitative Aptitude Section

- Find the minimum value of $8\text{cosec}^2\theta + 25\text{sin}^2\theta$.
- A seller marks up an article 15% above its Cost Price and offers 20% discount. Then find the profit percentage.
- If $a + b + c = 18$ and $ab + bc + ca = 107$; then find $a^3 + b^3 + c^3 - 3abc$.
- In $\triangle ABC$, D and E are the mid points of AB and AC respectively and P is a point on DE. If $DP : PE = 1 : 2$, then find BC if $DP = 2$ cm.
- Data Interpretation - 2 types of DI (4 questions) income expenditure based
- If $\text{Cos } \theta + \text{sin } \theta = 3/7$ and $\text{cos } \theta - \text{sin } \theta = 1/7$, find $\text{tan } \theta$?
- If the length of a rectangle is 9 cm and its diagonal is 15 cm, find the area of the rectangle?
- If $\text{cos}(x - y) = (\sqrt{3})/2$ and $\text{sin}(x + y) = 1/(\sqrt{2})$. Find the value of x ?
- If $x - 2y = 3$ and $xy = 5$, then find $x^2 + 4y^2$?
- If Rs. 3500 becomes Rs. 4500 at 10% per annum at Simple Interest, Find the time for which money was lent?
- If in a To and Fro journey Average Speeds are 20 Km/hr and 30 Km/hr respectively, find Average Speed of the whole journey?
- The average weight of 25 men is 62 Kgs, if five more men averaging 87 Kgs are added to the group. Find the average of all men?
- If an amount of Rs. 6,300 is distributed among X, Y and Z such that $A:B = 7:5$ and $Y:Z = 4:3$. Then find the share of Y.
- If two chords AB and CD of a circle cut each other at P and $AP = 9$ cm, $PB = 4$ cm and $PD = 6$ cm, Find CP.
- A property on selling gives a profit of 25% when sold at Rs. 70,000. What should be the Selling price if the seller wants to earn 30% profit?
- Incomplete $X^2.y^3 = 6$ find minimum value $3x+4y$
- Which of the following numbers is divisible by 11?
- If the ratio of present ages of A and B is 3:2. And the difference of their respective ages is 24 years. Then find the age of A 3 years from now?
- One Question based on Alternate Segment theorem.
- If $(\text{Cos}\theta + \text{sin}\theta)/(\text{cos}\theta - \text{sin}\theta) = 8$. Then find $\text{cot}\theta$.
- On selling an article for Rs.216, the shopkeeper incurs a loss of 10% then finds the cost price of the article.
- A $\triangle ABC$ is inscribed inside a circle of radius 15 cm. If the length of $BC = 24$ cm. Find the distance of the side BC from the centre of the circle.
- If 15 men can complete a piece of work in 10 days then in how many days 20 men will complete the same amount of work?
- A shopkeeper marks up his article by 35% and offers a discount of 20% then find his profit percent.
- Rs.3600 is to be distributed among three girls such that the ratio of share of first to second girl is 1.5 : 2 and second girl to third girl is 2 : 2.5 then find the share of Second Girl.

- $\triangle ABC$ is an isosceles triangle in which the length of the equal sides is 10 cm each. Then find the length of the perpendicular drawn on the hypotenuse.
- In a class, there are 11 students out of which there are 6 boys and 5 girls. Then find the probability of selecting a girl as the monitor of the class.
- Solve: $(\tan 60^\circ - \tan 15^\circ)/(1 + \tan 60^\circ \tan 15^\circ)$
- A man travels 18 km at 3km/hr, 20 km at 5 km/hr and 40 km at 20km/hr. Find his average speed during the journey.
- If $a - b = 4$ and $a^3 - b^3 = 88$ then find the value $(a - b)^2 + 3ab$?
- Evaluate: $(\cos 60^\circ - \sin 60^\circ)/(\cos 60^\circ + \sin 60^\circ) = ?$
- On selling an article at Rs.2500, a person incurs a loss of 15%, Find the SP, if the loss is 30%.
- A can complete the work in 10 days and B can complete the same work in 5 days. They start working together, but after 2 days A leaves the work. In how many days B will complete the remaining work.
- In a $\triangle XYZ$, the medians from X and Y meet at point P and M and N are the mid points of XZ and YZ. If M and L points are joined then find the ratio of area of $\triangle ABC$ and $\triangle MNP$?
- In a rectangle length and breadth are in the ratio of 5 : 2. If the perimeter of the rectangle is 126 cm, find the length of the rectangle.
- If $x + y + z = 10$, $x^3 + y^3 + z^3 = 28$ and $xyz = 6$, find $xy + yz + zx$?
- Solve: $(-4) \times (-8) \div (-2) + 3 \times 5 = ?$
- If $a + b = 11$, $ab = 15$ then find $a^2 + b^2 = ?$
- The cost price of 40 articles is equal to the selling price of 28 articles. Find the profit percent?
- In a circle, two chords AB and CD meet at point P. The length of AB = 15 cm, BP = 9 cm and CP = 3 cm. Find the length of PD.
- The centre point of a circle is (1, -2) and its radius is 4 cm. Find the equation of the circle.
- If $3\sec^2 x - 4 = 0$ then find the value of x.
- Find the remainder of the following expression: $(7777 + 77)/78$
- If $4 \cos^2 \theta - 3\sin^2 \theta + 2 = 0$ then find $\tan \theta$.
- $a - b = 4$ and $a^3 - b^3 = 88$ find $a^2 - b^2 = ?$ if $a > b$
- In how many years will an amount double itself at 12.5% Per annum at simple interest?
- If 16 people can complete a work in 3 days working 8 hours daily, For how many hours daily should 32 people work to complete the work in 12 days?
- A batsman's average of 20 innings is 35 runs. If average in first 12 innings is 45, find the average of last 8 innings?
- $\sin^2 45 + \cos^2 45 = ?$
- $x^2 + 1/x^2 = 38$, find $\text{mod}(x - 1/x) ?$

Questions Asked in the General Intelligence & Reasoning Section

- Analogy : Related word
- Hen : Egg :: Cow :? (Ans. Milk)
- TV = 55, then CLOCK = ?

Ans. T+V = 20+22 = 42 +13 = 55

So, C+L+O+C+K = 3+12+15+3+11 = 44 +13 = 57

- hacker = izdjfq then computer = ?????? Ans - DNNOVSFQ (logic +1, -1)
- Venn diagram : Reptiles, Mammals, Lizard.
- Ratio b/w the salary of pratima and Reema is 15:17. Reema's salary is 3000 more than pratima's salary. Pritima's salary = ?Ans. 22500
- Syllogism Question
- Statements :1. All Meat is Bread 2. All bread is Pulses.
- Conclusions not remembered :
- Ans. Neither conclusion I nor II.
- Classification word: Chirp (bird sound), Bleat (sheep sound), Frisk (ODD ONE), Neigh (horse sound)
- Logical Venn Diagram - Chandigarh, India, Seoul
- Pointing towards a photograph a boy said" she is the mother of the father of my father's only son". Ans. Grandmother
- Number series : Find the missing term in the given series
- 7, 16, 34, 70, ? Ans. 142 [Logic - number x 2 + 2]

Questions Asked in the English Section

- Synonym for Assertion Ans. Affirmation or claim
- Antonym: Challenge
- Antonym: Demolish
- Synonym: Guile
- Antonym: Deficiently
- Antonym/Synonym for Surveillance
- Antonym: Diligent, Disillusioned
- Synonym: Timid
- Error Spotting on parenthetical phrases 'as well as'
- Up in the arm = idiom Ans. protesting vigorously about something.
- Idiom = ebb and flow Ans. a recurrent pattern of coming and going or decline and regrowth
- Narration = "Do you know ___(something)____," he asked.
- Identify the Error related to verb's second form i.e. roomed it up.
- Cloze test ka theme "Harmful effects of mobile on humans"
- One word substitution: Authentic, Treason
- Cloze test on Ratan Tata's life journey
- Antonym: furtive
- Correct Spelling - Ambassador
- Correct Spelling - Announcement
- Active Voice to Passive Voice - Delhi police teach lessons to students.
- Syno/anto - Exile
- **Synonym: Exile, Deportation, Expulsion, Extern, Ostracism Ans. Repatriation (मरम्मत), Return, immigration,**
- A piece of cake - idiom
- One word substitution: Able to use the right and left hands equally well Ans. Ambidextrous
- Error spotting from S. V agreement (in helping verb)
- Error spotting on preposition error, have to choose between to/ into (i.e. which is more suitable with the given verb)
- Idiom: Apple Pie Order Ans. In a perfect order
- Synonym: Vile
- Antonym: Reserved
- Change it into passive voice: The car was broken Ans. Someone broke the car.
- Narration: I say that he is _____ (something).
- Idioms: Couch Potato
- Idiom: A dime a dozen

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