

SSC CGL Tier Exam Analysis

3rd March 2020
Questions Asked in All Shifts



Questions Asked in the General Awareness Section:

1. Brahmagiri National Park is located in which district of Karnataka? - Kodagu(Coorg) District
2. Who was awarded 50th Dada Saheb Phalke award? - Amitabh Bachchan
3. Who was the last ruler of the Nanda Dynasty? Dhananand
4. Ajatshataru was the son of _____. Bimbisara.
5. In which of the following states ASCEND 2020 held? KERALA
6. Kramyodha Granth is written on _____. NARENDRA MODI
7. Which law states that 'The force of attraction decreases as we increase the distance between two charges'? - Coulomb's Law
8. Which gland is present between the lungs? - THYMUS Gland
9. Which acid is present in vinegar? - Acetic Acid
10. What is the name of laughing gas? - NITROUS OXIDE
11. R. RamaSwami is awarded by which country?
12. Which state of North East changed its state symbol
13. Khadi Board opened its first Silk processing plant recently in which state? - Gujarat
14. When was the construction of the gateway of India started? - 31 March 1913
15. Lady Willingdon Garden was the former name of _____. - Lodhi Garde
16. While cutting onion, amino acid is changed into _____. Sulfenic acid
17. Hieun Tsang visited during the period of _____. - **Harshavardhana**
18. Who was the last ruler of the Gupta Dynasty? - **Skandagupta**
19. Who is the current BCCI secretary? - Jay Shah
20. Who was the last ruler of the Mauryan dynasty? - Brihadratha
21. Which of the following countries is not a member of SAARC? - Myanmar
22. Which of the following is not part of Brain? - Pinna
23. How many watts in 1 Horsepower? - 746 watt approx
24. Which planet is known as Lucifer? - Venus
25. Who discovered Radioactivity?- Henri Becquerel
26. Who is the prime minister of Bhutan?- Lotay Tshering
27. Which city is located on the bank of the Yangtze river? - Shanghai
28. Jyotirao Phule belongs to which state? - Maharashtra
29. Dry ice is known as _____. - Solid Carbon Dioxide
30. Which of the following bones does not belong to the ear? - Femur
31. Bhupesh Baghel is the Chief Minister of which state? - Chattisgarh
32. Neutron was discovered by _____. - James Chadwick
33. Which of the following foreign visitors came during the reign of Jahangir? - Sir Thomas Roe



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34. Which of the following actresses acted in the 'Mission Mangal' movie? - Vidya Balan

35. Who is the current president of Sri Lanka? - Gotabaya Rajapaksa

36. Who was the Star Campaigner in the Maharashtra Election? - Madhuri Dixit

37. Kartarpur corridor was inaugurated by _____. Imran Khan

38. Reverse repo rate and base rate are formulated by _____. RBI

39. Harika dronavalli who got Padma Shri belongs to which sports? Chess

40. Sanchi Stupa was rediscovered in which year? 1818

41. World Food Organization headquarters are located in _____ Rome.

42. In which of the following states Hampi is located? - Karnataka

43. Which player consecutively scored 4 - double hundreds? - Virat Kohli

44. Which of the following books is not written by Salman Rushdie?

45. What is GST Rate on lottery? - 28%

46. Fox 21 is acquired by _____. - Disney

47. Which country's longest-serving king passed away in 2020? Oman, Sultan Qaboos of Oman

48. Araku Valley is situated in which state? Andhra Pradesh

Questions Asked in English language & Comprehension Section :

1. Antonym- Glorious. Answer- undistinguished

2. Idiom- Blow one's own trumpet. Answer-talk boastfully about one's achievements.

3. Idiom- Spill the beans. Answer-reveal secret information unintentionally or indiscreetly.

4. Incorrect spelling- Negotiate

5. Cloze test - on water management.

6. One word substitution- A place to keep your clothes. Ans. wardrobe

7. Incorrect spelling of Partner

8. One word - One who doesn't talk much. Ans. Reticent

9. Synonym - Implore. Ans. Beg

10. Synonym - Vigilant. Ans. Watchful

11. Synonym- Pathetic, hilarious

12. Antonyms- Vicious Ans. Gentle/ Kindly

13. Idiom- Snake in the grass. Ans. a treacherous person, especially one who feigns friendship.

14. Correct spelling- Magnificent

15. Incorrect spelling - Practical, splashy

16. One word substitution- Emigrant Ans- a person who leaves their own country in order to settle permanently in another

17. Cloze test - topic - man and machine

18. Synonyms - Sympathy. Answer- Pity

19. Idiom - By shank's mare. Answer-ride on shanks' mare" is to walk to your destination.

20. Fill in the blanks - She _____ a heinous crime. Ans. committed

21. Antonym - Plaintiff Answer- defendant, suspect



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22. Error spotting - The Prime Minister along with other ministers have left for America. *Answer-* Has will be used instead of have, phrases like along with agrees according to the subject used before them, here the subject is the prime minister which is singular and will agree with a singular verb.

23. Convert the sentence into Active Voice - The thief is being arrested by the police. *Answer-* The police is arresting the thief

24. Narration - She said to me, "What are you doing?" *Ans.* She asked me what I was doing.

25. One word - a duration of 10 years. *Ans.* Decade

26. Fill in the blanks - It is _____ day to start your new business. (ominous, auspicious). *Ans.* Auspicious

27. Idiom - Hard nut to crack. *Ans.* stubborn

28. Idiom - French leave. *Ans.* leave while attendance is made by proxy

29. Synonym - Scintillating. *Ans.* shining

30. Antonym - Exodus *Ans.* influx

31. Sentence improvement - One of the boys of my school were selected in the cricket team. *Ans-* was

32. Antonym - Quiescent, *Ans.* - Active

33. Synonym - Obligatory *Ans.* mandatory

34. Cloze test - Grammar-based and on a topic related to communication.

35. One word - Study of dogs. *Ans.* Cynology

36. One word substitution - Unable to be heard. *Ans.* Inaudible

37. One word - mourning song/ a song sung in grief. *Ans.* Dirge

38. Parajumble - PQRS based

39. Correctly Spelt word - with four different options - Exhibit

40. Error Spotting - All the players, as well as captain, was feeling happy over the victory of the team. *Ans.* The verb should be plural as per the subject-verb agreement rule.

Questions Asked in Quantitative Aptitude Section:

1. If $x^2 + x + 1 = 0$ then find $x^6 + 1/x^6$.

यदि $x^2 + x + 1 = 0$ तो $x^6 + 1/x^6$ ज्ञात करें। *Ans.:* 2

2. There are two different bottles A and B of the same capacity. If bottle A contains 35% orange juice and rest 65% apple juice and Bottle B contains $(\frac{1}{3})$ rd orange juice and rest is apple juice. Then find the total percentage of apple juice in the mixture.

एक ही क्षमता के दो अलग-अलग बोतल A और B हैं। यदि बोतल A में 35% संतरे का रस है और बाकी 65% सेब का रस है और बोतल B में $(\frac{1}{3})$ rd संतरे का रस है और बाकी सेब का रस है। फिर मिश्रण में सेब के रस का कुल प्रतिशत ढूँढें। *Ans.:* 65.83%

3. The average of 5 numbers is 85.8. The average of first four numbers is 3 times the fifth number. Find the fifth number.

5 संख्याओं का औसत 85.8 है। पहले चार नंबरों का औसत पांचवें नंबर का 3 गुना है। पांचवा नंबर ज्ञात कीजिए। *Ans.:* 33

4. In an equilateral triangle ABC, AD is perpendicular to BC and $AD = 4\sqrt{3}$ cm then find the perimeter of triangle ABC.

एक समबाहु त्रिभुज ABC में, AD BC पर लंबवत है और $AD = 4\sqrt{3}$ सेमी तो त्रिभुज ABC का परिमाप ज्ञात करें। *Ans.:* 24 cm



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5. If $(\sec\theta - \tan\theta)/(\sec\theta + \tan\theta) = 9$ then find $(\cos\theta + \sec\theta + \tan\theta)$.

यदि $(\sec\theta - \tan\theta)/(\sec\theta + \tan\theta) = 9$ तो $(\cos\theta + \sec\theta + \tan\theta)$ का मान ज्ञात करें।
Ans.: 18/5

6. If an article is marked 40% above its Cost Price and then two successive discounts of 25% and 20% are offered on the article. The seller incurs a loss of Rs.144 on the whole transaction. Find the Cost Price of the Article. Ans.: Rs.900

यदि किसी आर्टिकल को उसकी लागत मूल्य से 40% ऊपर अंकित किया जाता है और फिर 25% और 20% की दो रियायती छूट दी जाती है। विक्रेता को पूरे लेनदेन पर 144 रुपये का नुकसान होता है। आर्टिकल का लागत मूल्य ज्ञात कीजिए।

7. If A can complete a work in 40 days and B is 25% more efficient than A and C is 20% more efficient than B. If A, B, and C work together for 5 days then what portion of the work would be completed?

यदि A किसी कार्य को 40 दिनों में पूरा कर सकता है और B, A की तुलना में 25% अधिक कुशल है और C, B की तुलना में 20% अधिक कुशल है, यदि A, B और C एक साथ 5 दिनों के लिए कार्य करते हैं, तो कार्य का कितना भाग पूरा होगा?

8. A is 20% faster than B. They start walking towards each other from two different places at the same time. After meeting each other, A takes 2.5 hr to reach the other end. Find the time taken by B to reach the other end.

A, B से 20% अधिक कुशल है। वे एक ही समय पर दो अलग-अलग स्थानों से एक-दूसरे की ओर चलना शुरू करते हैं। एक दूसरे से मिलने के बाद, A को दूसरे छोर तक पहुंचने में 2.5 घंटा लगता है। दूसरे छोर तक पहुंचने के लिए B द्वारा लिया गया समय ज्ञात करें।

9. If $x^2+y^2 + xy = 7$ and $x^4 +x^2.y^2+ y^4 = 21$ then find the value of $1/x^2 + 1/y^2$.

यदि $x^2+y^2 + xy = 7$ और $x^4 +x^2.y^2+ y^4 = 21$ तो $1/x^2 + 1/y^2$ का मान ज्ञात करें।

10. In two cylinders, the radius and height of the first cylinder is 3 cm and 4 cm respectively and the other cylinder's radius and height is 4 cm and 9 cm respectively. Then find the ratio of the volumes of both cylinders.

दो सिलेंडर में, पहले सिलेंडर की त्रिज्या और ऊंचाई क्रमशः 3 सेमी और 4 सेमी है और दूसरे सिलेंडर की त्रिज्या और ऊंचाई क्रमशः 4 सेमी और 9 सेमी है। फिर दोनों सिलेंडर के आयतन का अनुपात ज्ञात करें।

11. If average of 5 consecutive even numbers is m, and if we add next 5 even numbers in the sequence then what would be the average of all 10 even numbers.

12. In triangle ABC, AD is angle bisector of A. If AB = 4cm, AC = 6cm and BD = 3cm then find the length of DC.

13. Simplify: $27a^3 - 2\sqrt{2} b^3$

14. If Marked price of an article is set 40% above its cost price and the seller gives a discount 20% then find the profit.

15. If a Simple Interest on a sum for 3 years at 5% pa is 1200. Then find compound interest on the same sum for 3 years at the same rate of interest.

16. In triangle ABC, AB is equal to AC and If A = 40 degree. Find angle B.

17. In a circle of radius 5cm a chord at a distance of 3cm is drawn. Find the length of the chord.

18. In a right angled triangle ABC, B = 90 degree and perpendicular is equal to 8cm and hypotenuse is equal to 17cm. Find the value of $\cot\theta$

19. If A can do a piece of work in 20 days and B can do the same work in 25 days. If they both start working together and B leaves the work after 5 days, find the



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time taken by A to complete the remaining work.

20. If $A + B = 45^\circ$ then find the value of $2(1 + \tan A)(1 + \tan B) = ?$

यदि $A + B = 45^\circ$ है तो $2(1 + \tan A)(1 + \tan B)$ का मान ज्ञात कीजिए?

21. If $x - y = 4$ & $xy = 45$ then $x^3 - y^3 = ?$

यदि $x - y = 4$ & $xy = 45$ तो $x^3 - y^3 = ?$

22. In a triangle ABC, D and E are the mid points of AB & AC respectively. If $AE : EC = 4 : 5$ and area of trapezium BCED is 130 cm sq . Then find the area of triangle ADE?

त्रिभुज ABC में, D और E क्रमशः AB & AC के मध्य बिंदु हैं। यदि $AE : EC = 4 : 5$ और ट्रेपेज़ियम BCED का क्षेत्रफल 130 वर्ग सेमी है तो त्रिभुज ADE का क्षेत्रफल ज्ञात कीजिए?

23. A, B, and C can complete a piece of work in 15, 24, 20 days respectively. They start working together If B and C work only for 3 days then find the number of days in which A alone completes the remaining work.

A, B, और C क्रमशः 15, 24, 20 दिनों में एक काम पूरा कर सकते हैं। वे एक साथ काम करना शुरू करते हैं यदि B और C केवल 3 दिनों के लिए काम करते हैं तो उन दिनों की संख्या का पता लगाए, जिसमें A अकेला बचा हुआ काम पूरा करता है।

24. If $x = 4 \sin A + 5 \cos A$ and $y = 5 \sin A - 4 \cos A$ then find the value of $x^2 + y^2$.

यदि $x = 4 \sin A + 5 \cos A$ and $y = 5 \sin A - 4 \cos A$, तो $x^2 + y^2$ का मान ज्ञात करें।

25. If $1005X4$ is completely divisible by 8 then find the minimum value of X.

यदि $1005X4$, 8 से पूरी तरह से विभाज्य है तो X का न्यूनतम मान ज्ञात कीजिए।

26. If a circular track has a radius of 42 m then find the distance covered by a man in the 8 rounds of the track.

यदि एक सर्कुलर ट्रैक की त्रिज्या 42 मीटर है तो उस ट्रैक के 8 राउंड लगाने में एक व्यक्ति द्वारा तय की गई दूरी का पता लगाए।

27. If a train passes a pole in 12 sec. and crosses a platform of length 170 m in 36 sec. Then find the speed of the train in kmph.

अगर कोई ट्रेन 12 सेकंड में एक पोल को पार करती है। और 36 सेकंड में लंबाई 170 मीटर के एक प्लेटफॉर्म को पार करती है तो ट्रेन की गति किमी.प्रति घंटा में बताइए।

28. In a rectangle the length is increased by 40% and breadth is decreased by 20% then find the effective change in the area of the rectangle.

एक आयत में लंबाई 40% बढ़ जाती है और चौड़ाई 20% कम हो जाती है, फिर आयत के क्षेत्रफल में प्रभावी परिवर्तन का पता लगाए।

29. If the Marked Price of an article is Rs. 224 and a profit of 12% is earned by giving a discount of 28%. Then find the Cost Price of Article.

यदि किसी वस्तु का अंकित मूल्य रु. 224 है | और एक दुकानदार 28% की छूट देकर 12% का लाभ अर्जित करता है तो वस्तु की लागत मूल्य ज्ञात कीजिये।

Questions Asked in the General Intelligence & Reasoning Section :

1. Arrangement of words in dictionary order:

1. Rights, 2. Righteous, 3. Rightly, 4. Rigid, 5. Rigour

Ans- (order will be - 2, 3, 1, 4, 5)

2. Analogy (number) : $12 : 72 :: 22 : 242$

:: $18 : ?$
Ans- 162 (logic : $12 \times 12/2 = 72$), ($22 \times 22/2 = 242$), ($18 \times 18/2 = 162$)



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3. Analogy words) - Medicine : Disease :: Food : ?
Ans- Hunger

4. Syllogism-
Statements : Some elephants are animals.
Some animals are tiger.
Conclusions: I. Some elephants are tiger.
1. No animals are tiger.
Ans- neither I nor II follows.

5. Logical Venn diagram - (based on figure having information : Triangle represents Women, rectangle represents officers.....)
How many women are officers?

6. Number set - select the appropriate relation. (269, 278, 296)
(Logic - a difference of 9 between the first two numbers and difference of 18 second two numbers)

7. Ages of Ram & Shyam is 5: 6 and the difference is of 5 years. Find the age of Shyam after 5yrs?

8. Missing Number :

6	21	14
40	500	?
8	25	7

Ans. 91
(Logic: $6 \times 8 - 8 = 40$)

9. Analogy(word) - Clock : Time :: Ammeter : ?
Ans. Current.

10. Rectangle based counting figure -
Ans. 33 rectangles in total.

11. Cube and Dice - (closed dice)
Which number is opposite to 6?

12. Missing Number :

28	30	18
----	----	----

36	32	36
252	240	?

13. (Logic : $28 \times 36 / 4 = 252$)
Ans. 162

14. Word analogy: Calendar : Date :: Clock : ?
Ans. Time.

15. Letter series : O, B, L, C, I, D, F, ?
(Logic: -3, -3, -3.....)
Ans. E

16. Logical Venn diagram : Mother, Female, Police officer

17. Number series : 87, 88, 90, 93, ?
Ans. 97
(Logic: +1,+2,+3,+4)

18. Analogy(word pair)- Faculty : Teacher :: ? : ?

19.Counting figure - (question figure is a combination of triangle and rectangle)... we have to find number triangles ?

20. Syllogism- Statements : I. All books are cover.
No cover is pen.

21. Arrangement of words (logical order) - 1.Nonagon,2. Heptagon, 3.Pentagon, 4. Hexagon, 5. Octagon
Ans. order will 3,4,2,5,1

22. Cardiology related to Heart then Neurology related to '_____'?
Ans. Brain

23. If PEN is coded as 321028 then how would you code TUB ?
Ans. TUB= 40424 (Logic: place value x 2)

24. Number series : 55, 58, 64, ?, 85Ans. 73
(Logic: +3, +6, +9, +12)

25. Letter series : J, M, P, ?, VAns. S
(logic: +3 in all)

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26. Number analogy : 2809 : 53 : : 1024 : ?Ans. 32

(logic: square of second digit = first digit)

27. Word analogy: Faculty : Teacher

Option A. Colony : Wolves

Option B. Fleet : Trucks

Option C. Galaxy : Constellation

28. Find the Missing number?

5	41	4
9	202	11
15	?	6

(logic- In row 1: Sq of 1st no. + sq. of 3rd no. = 2nd no.)

Ans. 261



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