

# SSC CGL Tier I Exam Analysis

5th March 2020

Questions Asked in All Shifts



**Questions Asked in the General Awareness Section:**

1. Who was the first amputee to reach Mount Everest? - **Arunima Sinha**
2. Alai Darwaja is the main gate of the Quwwat-ul-Islam Mosque in the Qutub Minar complex. **It was made by Allaudin Khilji**
3. Who is the lieutenant governor of Jammu & Kashmir? - **Girish Chandra Murmu**
4. Which of the following is not an ore of Iron? - **Options were Hematite, Fiderite, Magnetite, etc**
5. Which vitamin deficiency leads to fetal anemia? - **Vitamin B12 deficiency**
6. Where is the headquarters of the BCCI? - **Mumbai**
7. In which year the Ghadar Party was formed? - **1913**
8. Which article is related to the National Commission for Backward Classes?- **Article 338B**
9. India won SAFF Championship continuously for how many years? **5 Times**
10. Which of the following is not a fish? - **Starfish**
11. Part 8 of the Indian constitution deals with \_\_\_\_\_. **The Union Territories**
12. One question related to Elephant reserves of Odisha.- **Options were like Sambalpur**
13. One question related to protest against the Jallianwala bagh massacre.
14. Indus Water Treaty was signed in? **1960**

15. \_\_\_\_\_ is a homogenous mixture of two or more compositions.- **Solution**
16. Which city of Rajasthan is known as the Golden City? - **Jaisalmer**
17. How many images are formed when one places an object between two plane mirrors kept at 120 degrees? - **2 images**
18. The Quit India movement started from \_\_\_\_\_. - **Bombay at the Gowalia Tank**
19. What is the helpline number of the railway?- **139**
20. Jaspreet Bumrah got which award?- **Polly Umrigar Award**
21. Which law states that "equal volumes of all gases, at the same temperature and pressure, have the same number of molecules"? - **Avogadro Law**
22. Which of the following is the longest south India river? - **Godavari**
23. In which state, maximum forest area is there?- **Madhya Pradesh**
24. Which is the biggest national park of Himalayan Range? - **Hemis National Park**
25. Which color light is emitted by the Sun?- **White**
26. What was the theme of the Indian Science Congress held in Bengaluru? - **"Science and Technology: Rural Development"**
27. Who was the first ruler of Mahabalipuram? - **Pallava king - Narasimhavarman I**
28. Which state got the best police station award? - **Aberdeen in Andaman**
29. Which is the hardest part of the Human Body? - **Tooth enamel**



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30. Lohit and Dibang are tributaries of which of the following rivers?  
**Brahmaputra**

31. In which of the following years was Amer fort built? **1598**

32. What was the new rate introduced as the Advanced income tax? **30%**

33. Vasco Da Gama came to India in which of the following years and at which place? **1498 at Calicut**

34. Where did the military exercise held between India and Oman take place? Al-Nagah Exercise at Jabel AL Akhdar, Oman

35. What is the rank of India in travel and Tourism Competitiveness Report 2019? - 34th Rank

36. Harbhajan Singh is the brand ambassador of \_\_\_\_\_. - Online leather accessory brand Brune & Bareskin

37. Who is the chairman of the 15th finance commission? - NK Singh

38. Who was the governor general of during the Great Bengal famine in 1770? - Warren Hasting

39. What is chemical name of Epsom Salt? - Magnesium Sulfate

40. How many Highways meet to form National Highway 44? Seven

41. How many National Parks are there in India? 104.

42. Under which article special provision related to languages is given? - Article 347

43. What can be used in thermometer in place of mercury? -

44. The alcohol thermometer or spirit thermometer is an alternative to the mercury-in-glass thermometer.

45. Which acid is not present in Grapes? - Options like Citric acid, formic acid and acetic acid are given.

46. Which female wrestler has been banned by NADA recently? - Seema

47. Which organization gives the tansen Award? - Government of Madhya Pradesh.

48. In which year, Congress socialist party was formed? 1934

### Questions Asked in English Language and Comprehension:

1. Cloze test:- Based on "Drug addiction".

2. Antonym = **Bizarre**  
Ans. Ordinary, normal

3. Synonym = **violence**  
Ans. Brutality

4. Antonym = **Elude**  
Ans. Caught

5. One word = **a lengthy and aggressive speech**  
Ans. Harangue

6. Spelling = **reimbursement**

7. Idiom = **Flog the dead horse**  
Ans. means a particular effort is a waste of time as there will be no outcome

8. Idiom = **Take the bull by the horn**  
Ans. to deal with a difficult situation in a very direct or confident way

9. Error spotting:- He did not (verb's second was given in the sentence.)  
Ans. "Did" take the first form of the verb after it.

10. Spelling = **Definition**

11. All the students are allowed to give their \_\_\_\_\_ views in group discussion.  
Options: Candid, aggressive.



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12. Synonym = **Erudite**  
Ans. Knowledgeable

13. Synonyms - **Extensive**  
Ans. Substantial

14. Antonym - **Dexterity**  
Ans. Clumsiness

15. Synonym - **Retain**  
Ans. maintain, hold on to

16. Antonym - **Divide**  
Ans. Unify

17. Incorrect Spelling - **Chauffeur**  
18. Idiom - Bed of roses  
Answer- used in reference to a situation or activity that is comfortable or easy.

19. Idiom - **a close-fisted person**  
Answer- Ungenerously or pettily reluctant to spend money

20. Sentence improvement - Hardly had he (sit on the chair than) it broke.  
Ans. The correct phrase is hardly ----- when. Also, replace "sit" with "sat" as had takes the third form of the verb.

21. Active/passive voice - **They offered me a chair.**  
Ans. A chair was offered to me by them.

22. Direct speech - **"What a good idea!", Radhika remarked.**  
Answer- Radhika exclaimed that it was a very good idea.

23. Cloze test - on the topic - **An incident where some army men are helping to lift a tree**

24. Spelling = Commemorate  
25. Idioms = Hobson's choice

Ans . a choice of taking what is available or nothing at all.

26. Idioms = Add fuel to the fire  
Ans. cause a situation or conflict to become more intense.

27. Spelling = Definite

28. Antonym = Hostile  
Ans. Amiable

29. Synonym = Catastrophe  
Ans. Disaster, crisis, calamity

30. One word = a short story, typically with animals as characters, conveying a moral.  
Ans. Fable

31. Cloze test = On corruption

32. Antonym - Sluggish  
Ans. Energetic, busy

33. Synonym = Solidarity  
Ans. Unity, accord  
34. Antonym - Deficiency- Abundance

35. Sentence Improvement = He has a good command (over) English language.  
Option: At, in, on, no improvement.

### Questions Asked in Reasoning Section:

1. **40,37,43,34,46,?**

Ans: **31 (logic: two alternate series - 3,+6, )**

2. **Select the similar pair (13,65,117) (Logic:  $13 \times 5 = 65$ ;  $13 \times 9 = 117$ )**  
Ans: **(15,75,135)**

3. **Select the similar pair : Council : minister : : ? : sailor**  
Ans : **Crew**

4. **If a = 1, b = 3, c = 5 and so on in increasing order find code for KNUCKLE?**  
Ans. **KNUCKLE = 212741521239**

5. **odd one out:**

A. **13-197**

B. **15-257**

C. **12- 170**

D. **17- 328**

Logic:  **$x - (x+1)^2 + 1$**



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**6. Arrange in ascending order:**  
 1. Crocodile, 2. Whale, 3. Lizard, 4. butterfly, 5. monkey  
**Ans. 4, 3, 5, 1, 2**

**7. Classification:**  
 A. BDF  
 B. HJL  
 C. NPR  
 D. VXW  
 (Logic: +2,+2....)  
**Ans. VXW**

**8. Embedded fig.**  
 Que. fig.



Ans. fig.

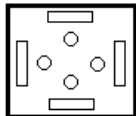


**9. Paper cutting & Folding.**

Que. fig

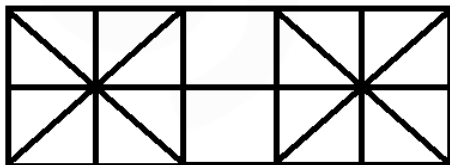


Ans. fig.



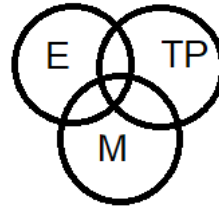
**10. Analogy**  
 72 : 108 :: 84 : ? :: 102 : 153  
**Logic** -  $12 \times 6 = 72$ ;  $12 \times 9 = 108$   
**Similarly**,  $17 \times 6 = 102$ ;  $17 \times 9 = 153$   
 $14 \times 6 = 84$ ;  **$14 \times 9 = 126$**   
**Ans. 126**

**11. Counting- find number of triangles?**



**Ans. 32**

**12. Logical venn-diagram- Employees, Tax payers, Male.**



**Ans.**

**13. Syllogism- Statements :** Some paper are copies.  
 No copy is eraser.  
**Conclusions :** I. Some copies are paper.  
 II. Some papers are eraser.  
 III. No paper is eraser.  
**Ans.** Only I and either II or III is true.

**14. Analogy word- Chordata : Monkey :: Non-chordata : ?**  
**Ans. Snake (all other three options are of chordates)**

**15. Odd one out-**  
 Measles  
 Polio  
 Rabies  
 Schizophrenia  
**Ans. Schizophrenia** (it's a mental disorder, all other are caused by virus)

**16. Odd one out-**  
 11-143  
**17-223 (odd one)**  
 23-667  
 19-475  
 (Logic: in all others 2nd digit is divisible by 1st).

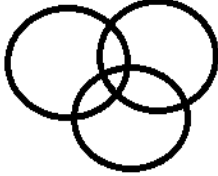
**17. Vineet, Tripti and Rajeev have some amount of money. Tripti has 6 Rs more than Vineet and Rajeev has 147 Rs. Sum of Tripti and Rajiv is 206. How much Vineet has?**  
**Ans.**  $V = T - 6$   
 $R = 147$   
 $T + R = 206$   
 $T = 206 - 147 = 59$   
 **$V = 59 - 6 = 53$ .**

**18. Number set: (8,7,407)**  
 Logic- cube of 7 + cube of 8 =  $343 + 64 = 407$   
**Ans. (3,9,738)** ---- cube of 9 + cube of 3 =  $729 + 9 = 738$



19. Analogy - Criticize : Condemn :: Soldier : ?  
 Ans. Unity

20. Venn-diagram - Player, cricketer, human being.



Ans.

21. Arrangement- 1. General, 2.colonel, 3.Field marshal,4. captain, 5.brigadier.  
 Ans. 3,1,5,2,4

22. Odd one out-  
 Liver  
 Kidney  
 Pancreas

**Renin (odd one , it is an enzyme)**

**Questions Asked in Quantitative Aptitude Section:**

1. If  $x^2 - 2\sqrt{5}x + 1 = 0$ , then  $x^5 \frac{1}{x^5} = ?$

2.  $R = 16\frac{2}{3}\%$ ,  $T = 3$  Years, C.I. = 6350

Rs. What is S.I. on same principal for  $5\frac{2}{3}$  Years.

3.  $708 \times 6y8z9$  is divisible by 99. Find  $x + y + z = ?$

4. If  $16x^4 + 36x^2y^2 + 81y^4 = 91$ , then  $3xy = ?$

5. ABC is a triangle right angled at C.  $AC = 5$  &  $BC = 12$  Angle bisector of angle A meets BC at D. Find AD.

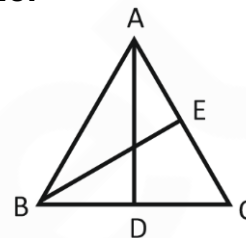
6. Two chords AB & CD of a circle intersect at point P. If  $\angle APC = 95^\circ$  and  $\angle AOC = 110^\circ$ , then  $\angle BOC = ?$

7. Diagonal of a square is  $(a + b)$ . There is another square whose area is twice the former one. Find the area of second square?

8. Pipe A & Pipe B can fill the tank in 10 hrs & 40 hrs- respectively. There is one outlet pipe, when all the three pipes are opened, the tank filled in 80 more minutes. If A & B are opened for 7 hours & then closed and outlet pipe is opened, then find the time in which tank is emptied?

9. Average of 24 numbers is 56. Average of starting 10 numbers is 71.7, whereas next 11 numbers is 42.  $12^{th}$ ,  $13^{th}$  &  $14^{th}$  ..... is in ratio  $\frac{1}{2} : \frac{1}{3} : \frac{5}{12}$ . Find average of  $22^{nd}$  &  $24^{th}$  numbers

10.



$CE = \frac{1}{3} AC$

$BD = \frac{1}{2} BC$

$\frac{AG}{GD} = ?$

11. Focus numbers 10 16 22 4 32 are given. After adding x they become in same proportion. Find the mean proportion of  $(x + 1)$  &  $(3x + 1)$  ?

12. If  $20x^2 - 30x + 1 = 0$ , then  $25x^2 \frac{1}{16x^2} = ?$

13. An article is marked 25% above the cost price. If x% discount is offered. There is a loss of 10%. Find the value of x?

14.  $\frac{\text{cosec}(23-\alpha) - \sec(67+\alpha) + \tan(23+\alpha) - \cot(67-\alpha)}{\tan 23.\cot 23.\tan 45.\tan 67.\cot 67} = ?$

15. Radius of cylinder is decreased by 10% & height is increased by 20%. Net change in the volume of cylinder is :



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16. ABC is a triangle, right-angled at point B. D & E are points on BC such that  $BD = DE = EC$ . Find the relationship between AD, AE & AC?

17.  $5\sin\theta - 12\cos\theta = 0$ ,  $\frac{1 + \sin\theta + \cos\theta}{1 - \sin\theta + \cos\theta} = ?$

18.  $x^4 + y^4 + x^2y^2 = 273$  &  $x^2 - xy + y^2 = 13$ , then  $xy = ?$

19. ABC is a triangle D & E are points on the side AB & AC respectively.  $AB = 24$  cm,  $AD = 10$  cm,  $AE = 12$ cm,  $\angle ABC = 58^\circ$  &  $\angle DEC = 122^\circ$ . Find EC?

20. When a number D is divided by X, remainder will be 15 and when 10 times of D is divided by X, then remainder will be 6. What is the minimum value of x.

21. PQR is a recant of a circle with centre O intersecting of of a circle is extended to point P.  $OP = 16.8$  cm,  $PQ = 12$ cm &  $PR = 19.2$  cm.

Find the radius of the circle.

22. ABC is a triangle. Ratio of angles  $\angle A : \angle B : \angle C$  is  $4 : 3 : 2$ . Which is the smallest angle?

23. If  $x - \frac{1}{x} = 11$ , then  $x^3 - \frac{1}{x^3} = ?$

24. Average height of 5 students is 175cm. If one student is included, average height is increased by 1 cm. What is the height of new student?

25.  $\cos 0^\circ \times \cos 30^\circ \times \cos 45^\circ \times \cos 90^\circ = ?$

26.  $-1 + \frac{1}{4} \div \frac{1}{2} \times 2 + 5 = ?$

27. 16 men can do a work in 8 days, while 8 men and 9 women can do a same work in 10 days. In how many days 20 women complete the work?

28. Marked Price of a T.V. and printer is Rs. 42,000 & Rs. 8000 respectively. If T.V. is sold at 10% profit & printer is sold at 20% profit, then what is overall profit percentage?

29. C.I. for 43 years & 4 years is Rs. 63,000 & Rs 76620 respectively. Find the rate of interest?



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