

PAST YEAR PAPER
for
SSC-CGL EXAM



Trusted for Success

Paper - 1
(Tier - 1)

SECTION - I

DIRECTION for questions 1, 2 and 3: Select the related word/letters/number from the given alternatives.

1. Psychology : Human Being :: Ornithology : ?
1] Birds 2] Volcanoes 3] Insects 4] Reptiles
2. EGIK : FHJL :: MOQS : ?
1] LNOQ 2] NPRT 3] KMOQ 4] NRPT
3. 147 : 741 :: 869 : ?
1] 896 2] 968 3] 689 4] 986

DIRECTION for questions 4, 5 and 6: Find the odd word/letters/number pair from the given alternatives.

4. 1] Herb 2] Flower 3] Tree 4] Shrub
5. 1] JKLM 2] NOPQ 3] RSTU 4] VWXZ
6. 1] (85, 136) 2] (34, 85) 3] (102, 153) 4] (63, 162)

DIRECTION for questions 7 to 25: Choose the correct alternative :

7. Arrange the following words as per order in the dictionary.
1. Organ 2. Origin 3. Orient 4. Organic 5. Organise
1] 1, 5, 3, 4, 2 2] 1, 5, 4, 2, 3 3] 1, 4, 5, 3, 2 4] 1, 4, 5, 2, 3
8. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?
_sr_tr_srs_r_srst_
1] ttssrr 2] tsrtsr 3] strtrs 4] tssttr
9. Find the missing number in the following series:
43, 172, 86, 344, ?
1] 172 2] 258 3] 129 4] 430
10. 'A' is the sister of 'B'. 'B' is married to 'D'. 'B' and 'D' have a daughter 'G'. How is 'G' related to 'A'?
1] Sister 2] Daughter 3] Niece 4] Cousin
11. Anil is as much younger to Vivek as he is older to Tarun. If the total of the ages of Vivek and Tarun is 48 years, how old is Anil?
1] 26 2] 33 3] 24 4] 18

12. From the given alternative words, select the word which cannot be formed using the letters of the given word:

CHRONOLOGICAL

- 1] CALL 2] LOGIC 3] CALICO 4] ANALOGY
13. If HOUSE is written as FQSUC , then how can CHAIR be written in that code?
1] DIBJS 2] SBJID 3] SHBGD 4] AJYKP
14. If P denotes \div , Q denotes \times , R denotes $+$ and S denotes $-$ then what is the value of $18Q12P4R5S6$
1] 64 2] 53 3] 81 4] 24
15. If $4 + 3 = 25$ and $8 + 4 = 80$, then, $3 + 2 = ?$
1] 15 2] 10 3] 13 4] 12
16. Select the missing numbers from the given alternatives

8	32	4
7	?	5
2	6	3

- 1] 30 2] 35 3] 20 4] 25
17. Ramesh starts his journey by walking 2 kilometres towards North. Then he takes a right turn and walks 1 kilometre. Again takes a right turn and walks 2 kilometre. Now which direction is he facing?
1] East 2] West 3] South 4] North
18. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statement: Irregularity is a cause for failure in exams. Some regular students fail in the examinations.

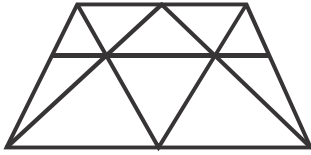
Conclusions: I. All failed students are regular.

II. All successful students are not regular.

- 1] Only conclusion I follows
2] Only conclusion II follows
3] Both conclusion I and conclusion II follow
4] Neither conclusion I nor conclusion II follows

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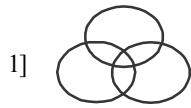
19. How many triangles are there in the given figure?



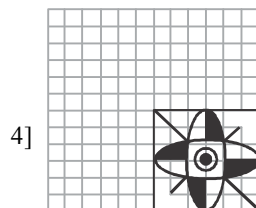
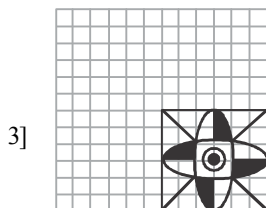
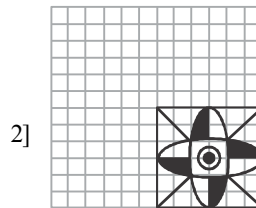
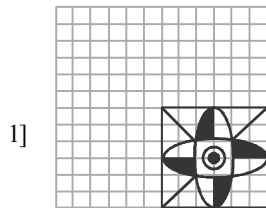
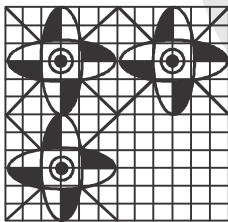
- 1] 18 2] 19 3] 20 4] 21

20. Which one of the following figures represents the following relationship:

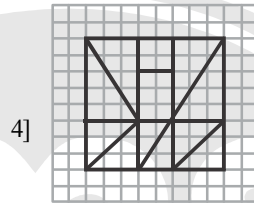
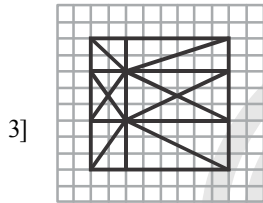
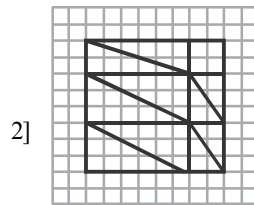
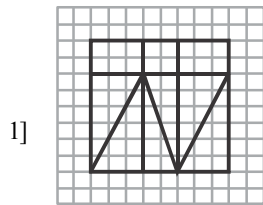
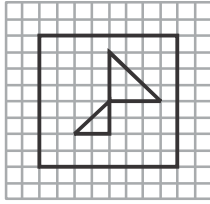
Birds, Parrots, Bats



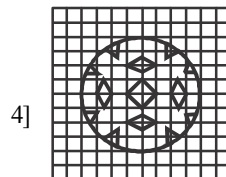
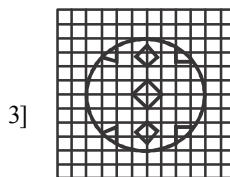
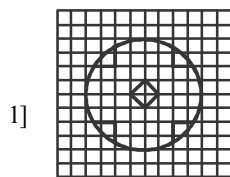
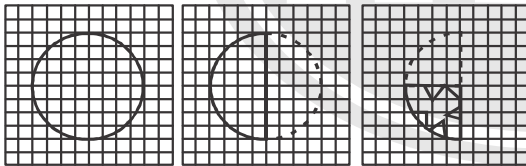
21. Which answer figure will complete the pattern in the question figure?



22. From the given answer figures, select the one in which the question figure is hidden/embedded

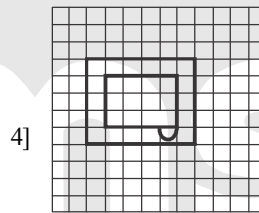
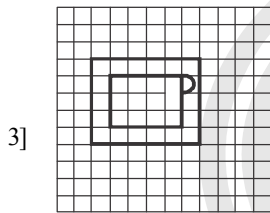
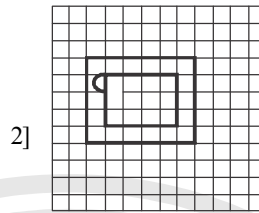
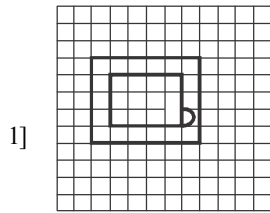
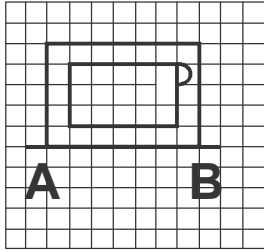


23. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.



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24. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?



25. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'B' can be represented by 00, 13 etc., and 'A' can be represented by 55, 69 etc.

Similarly you have to identify the set for the word 'GIRL'

MATRIX I

	0	1	2	3	4
0	B	N	G	L	D
1	G	L	D	B	N
2	D	B	N	G	L
3	N	G	L	D	B
4	L	D	B	N	G

MATRIX II

	5	6	7	8	9
5	A	I	K	O	R
6	I	K	O	R	A
7	K	O	R	A	I
8	O	R	A	I	K
9	R	A	I	K	O

1] 02, 56, 97, 24

2] 31, 79, 68, 42

3] 23, 97, 77, 11

4] 11, 88, 95, 23

END OF SECTION - I

45. In an optical fibre the signal is transmitted
1] in a straight line path 2] In a curved path
3] due to total internal reflection 4] Due to refraction
46. In IT, the method for updating the main memory as soon as a word is removed from the cache is called
1] Write-through 2] Write-back
3] Protected-write 4] Cache-write
47. Which one of the following is not a non-conventional source of energy?
1] Solar Energy 2] Natural Gas
3] Wind Energy 4] Tidal Power
48. The space shuttle which took Sunita Williams beyond earth was
1] Challenger 2] Galileo 3] Discovery 4] Voyager-2
49. Selling cost have to be incurred in case of
1] Perfect competition 2] Monopoly
3] Monopolistic Competition 4] None of the given options
50. The earliest reference to sati custom is made in which of the following inscriptions?
1] Allahabad Pillar inscription 2] Eran inscription of Bhanugupta
3] Aihole inscription of Pulkesin II 4] Bhiton inscription of Skandgupta

END OF SECTION - II

SECTION - III

DIRECTION for questions 51 to 71: Choose the correct alternative.

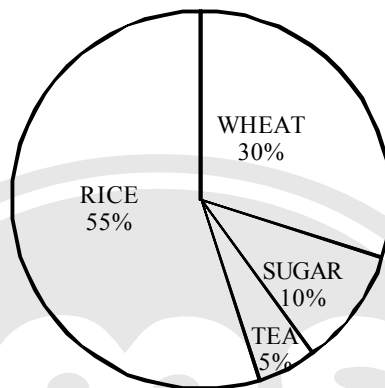
51. A, B and C can work together for Rs. 550/- A and B together are to do $\frac{7}{11}$ of the work. The share of C should be?
1] Rs. 200 2] Rs. 300 3] Rs. 400 4] Rs. 450
52. In $\triangle ABC$, the height CD intersects AB at D. The midpoints of AB and BC are P and Q respectively. If AD = 8 cm and CD = 6 cm, then the length of PQ is?
1] 3 cm 2] 7 cm 3] 9 cm 4] 5 cm
53. The price of a chair is Rs. 500. It has been sold at two successive discounts of 10% each. What is its selling price?
1] Rs. 400 2] Rs. 405 3] Rs. 415 4] Rs. 425
54. The percent profit made when an article is sold for Rs. 78 is twice as much as when it is sold for Rs. 69, the cost price of the article is?
1] Rs. 60 2] Rs. 51 3] Rs. 55.50 4] Rs. 70
55. In a Village panchayat society 574 names are enlisted as 'below poverty level'. If 14% of the villagers are below poverty level, the total number of villagers is?
1] 4100 2] 4200 3] 4000 4] 3800
56. A train 240 meters in length crosses a telegraph post in 16 seconds. The speed of the train is?
1] 50 Km/hr 2] 52 Km/hr 3] 54 Km/hr 4] 56 Km/hr
57. If $a^2 + 1 = a$, then the value of a^3 is
1] 0 2] 1 3] - 1 4] 2
58. If $x + 3y = -3x + y$, then $\frac{x^2}{2y^2}$ is equal to
1] $\frac{1}{8}$ 2] $\frac{1}{2}$ 3] $\frac{1}{4}$ 4] 4
59. From an external point two tangents to a circle are drawn. The chord passing through the points of contact subtends an angle 72° at the centre. The angle between the tangents is?
1] 36° 2] 72° 3] 108° 4] 144°

60. Length of three line segments is given. Is construction of a triangle possible with the segments in the given cases?
- 1] 8 cm, 7 cm, 18 cm 2] 8 cm, 15 cm, 17 cm
 3] 10 cm, 6 cm, 4 cm 4] 8 cm, 10 cm, 20 cm
61. If $\sin \theta + \operatorname{cosec} \theta = 2$, then the value of $\sin^{-7} \theta + \operatorname{cosec}^7 \theta$ is
- 1] 2^7 2] 2^{-7} 3] 2 4] 2^{-1}
62. A man has some hens and some cows. If the total number of heads of hens and cows together is 50 and the number of feet of hens and cows together is 142, then the number of cows is
- 1] 21 2] 25 3] 27 4] 29
63. In a class, average height of all students is 'a' cms. Among them, average height of 10 students is 'b' cms and the average height of the remaining students is 'c' cms. Find the number of students in the class. (Here $a > c$ and $b > c$)
- 1] $\frac{a(b-c)}{(a-c)}$ 2] $\frac{(b-c)}{(a-c)}$ 3] $\frac{(b-c)}{(10(a-c))}$ 4] $\frac{(10(b-c))}{(a-c)}$
64. The simplified value of $\frac{3\sqrt{7}}{\sqrt{5} + \sqrt{2}} - \frac{5\sqrt{5}}{\sqrt{2} + \sqrt{7}} + \frac{2\sqrt{2}}{\sqrt{7} + \sqrt{5}}$ is
- 1] 0 2] 1 3] 5 4] 6
65. If $(a + b - 6)^2 + a^2 + b^2 + 1 + 2b = 2ab + 2a$, then the value of a is
- 1] 7 2] 6 3] 3.5 4] 2.5
66. Two circles of radii 17 cm and 8 cm are concentric. The length of a chord of greater circle which touches the smaller circle is
- 1] 15 cm 2] 16 cm 3] 30 cm 4] 34 cm
67. The least six digit number which is a perfect square is
- 1] 100489 2] 100000 3] 100256 4] 100225
68. The percentage change of a number when it is first decreased by 10% and then increased by 10% is
- 1] 0.1 % increase 2] 1 % decrease
 3] 0.1 % decrease 4] No changes
69. Find the angular elevation of the sun when the shadow of a 15 m long pole is $\frac{15}{\sqrt{3}}$ metres
- 1] 45° 2] 60° 3] 30° 4] 90°

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70. If $2y \cos \theta = x \sin \theta$ and $2x \sec \theta - y \operatorname{cosec} \theta = 3$ then what is the value of $x^2 + 4y^2$?
1] 4 2] 1 3] 2 4] 5
71. The difference between compound interest and simple interest on an amount of Rs. 15,000 for 2 years is Rs. 96. The rate of interest per annum is?
1] 6% 2] 7% 3] 8% 4] 9%

DIRECTION for questions 72 to 75: In the given Pie-chart, the comparative study of the production of Rice, Wheat, Sugar and Tea of a country is given. Study the Pie-Chart and answer the following questions.



72. From this diagram, the ratio of sum of wheat and sugar production to difference in production of rice and tea is
1] 4:5 2] 5:4 3] 6:1 4] 1:6
73. The production of rice and tea is more/greater than production of wheat by-
1] 50% 2] 100% 3] 75% 4] 66.6%
74. The Central angle of Wheat % is
1] 48° 2] 98° 3] 110° 4] 108°
75. The total production of Rice, Wheat, sugar and Tea (In Kgs) is 500000 Kgs. The production of Rice in the country is
1] 175000 Kg 2] 395000 kg 3] 275000 Kg 4] 27500 Kg

END OF SECTION - III

SECTION - IV

DIRECTION for questions 76 and 77: In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

76. SCANDALIZED
 1] IRRITATED 2] SCARED 3] WORRIED 4] SHOCKED
77. INSOLENT
 1] MANNERLY 2] HAUGHTY 3] HAUGHTY 4] RUDE

DIRECTION for questions 78: Choose the correct alternative.

78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.
 1] Immense 2] Imense 3] Immiense 4] Imminse

DIRECTION for questions 79 to 81: Read each sentence to find out if there is any error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is (E). (ignore any errors in punctuation, if any).

79. The leader (A) / with all his followers (B) / are send to prison. (C) / No Error (D)
 1] A 2] B 3] C 4] D
80. Do you know (A) / whom the (B) / next speaker is? (C) / No Error (D)
 1] A 2] B 3] C 4] D
81. He is having an attack (A) / of fever everyday (B) / for the last few days. (C) / No Error (D)
 1] A 2] B 3] C 4] D

DIRECTION for questions 82 to 84: The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

82. Children must be _____ to their parents.
 1] obedient 2] obeying 3] obey 4] obeyed
83. Every minister is _____ to the Parliament.
 1] responsive 2] response 3] responsibility 4] responsible
84. She had a _____ talk with her friend.
 1] hard to hard 2] heart to heart
 3] hard to heart 4] heart to hard

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DIRECTION for questions 85 to 87: In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

85. Bark is worse than his bite
1] Threat is worse than the action taken
2] Temper cannot be controlled
3] Ferocious scolding hurt more than his action
4] Anger is always justified
86. Throw caution to the winds
1] To be fearful
2] To warn others not to travel
3] To behave recklessly
4] To behave with care and caution
87. Ill at ease
1] Unwell
2] Irritated
3] Uneasy
4] Confused

DIRECTION for questions 88 to 90: Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

88. An action or event that happens before another important one and forms an introduction to it.
1] Foreword
2] Predecessor
3] Prefix
4] Prelude
89. A computer printout sent out by a bank regarding debits and credits in your account.
1] Bank draft
2] Statement
3] Over-draft
4] Payee
90. Refresh and revive
1] Invigorate
2] Investigate
3] Invalidate
4] Invigilate

DIRECTION for questions 91 to 95: A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

91. Except him, no one could answer the question.
1] Exception of him
2] Excepting him
3] Except for him
4] No improvement
92. The common fruitfly is technically called as "drosophila"
1] called
2] known by
3] known as
4] No improvement
93. Give the tickets to whomever comes first.
1] whoever
2] whichever
3] whatever
4] No improvement

94. Though very young, she has a sense of flying high.
1] imagery 2] imaginary 3] imagination 4] No improvement
95. The greatest thing in the style of writing or speaking, is to have a use of metaphor.
1] knowledge 2] command 3] need 4] No improvement

DIRECTION for questions 96 to 100: A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

My worries were increasing. The boy at the shop was becoming more clamorous. My sales were poor, as the railways were admitting more pedlars on the platforms. My cash receipts were going down and my credit sales alone flourished. The wholesale merchants who supplied me with goods stopped credit to me. The boy's method of account-keeping was so chaotic that I did not know whether I was moving forward or backward. He produced cash from the counter in a haphazard manner, and there were immense gaps on the shelves all over the shop. The complaint by the public was that nothing one wanted was ever available. Suddenly the railways gave me notice to quit. I pleaded with the old stationmaster and porter, but they could do nothing; the order had come from high up. The shop was given to a new contractor.

I could not contemplate the prospect of being cut off from the railways. I grew desperate and angry. I shed tears at seeing a new man in the place where I and my father had sat. I slapped the boy on the cheek and he cried, and his father, the porter, came down on me and said, 'this is what he gets for helping you! I'd always told the boy- He was not your paid servant, anyway.'

96. Why does the speaker say that his sales were poor?
1] Because his cash receipts were going down
2] Because the boy at the shop was becoming more clamorous.
3] Because the railways were admitting more pedlars on the platform
4] Because there were no buyers
97. How did the boy's method of account-keeping affect the speaker?
1] His worries increased 2] He produced cash from the counter in a haphazard manner.
3] His sales were poor 4] He did not know if he was moving forward or backward
98. Why did the public complain?
1] Because his credit at the wholesalers' was gone
2] Because nothing one ever wanted was available
3] Because there were gaps on the shelves all over the shop
4] Because the railways gave him notice to quit
99. Where did the order to quit come from?
1] From the old station master 2] From high up
3] From the railway authorities 4] From the contractor

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100. Why did the speaker shed tears?
- 1] Because he saw a new person, where he and his father had sat
 - 2] Because he was cut off from the railways.
 - 3] Because he grew desperate and angry.
 - 4] Because he slapped the boy on the cheek.



END OF SECTION - IV
