

PAST YEAR PAPER
for
SSC-CGL EXAM



Trusted for Success

Paper - 2
(Tier - 1)

SECTION - I

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

1. Book:Pages::Wall:?
1] SAND 2] CEMENT 3] BRICKS 4] STONES
2. LNPQ : ACEF :: TUXY : ?
1] IMKL 2] IKMO 3] IKMN 4] PKLR
3. 4:20::8: ?
1] 74 2] 70 3] 72 4] 78

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

4. (A) Bud
(B) Branch
(C) Leaf
(D) Plant
1] A 2] B 3] C 4] D
5. (A) ABD
(B) FGI
(C) LMO
(D) STU
1] A 2] B 3] C 4] D
6. (A) 24-42
(B) 36-63
(C) 37-73
(D) 35-51
1] A 2] B 3] C 4] D

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

7. Arrange the following words as per order in the dictionary.
1. Manifest 2. Meticulous 3. Meridian 4. Merchant
1] 1, 4, 3, 2 2] 2, 1, 4, 3 3] 1, 3, 2, 4 4] 2, 3, 4, 1

8. Which one set letters when sequentially placed at the gaps in the given letter series shall complete it?
M__OMMN__M__NOMMN__M
1] O N M O 2] N O M O 3] M O N M 4] N N M O
9. Which number will complete the series?
14, 27, 52, 101, 198, ?
1] 381 2] 395 3] 391 4] 394
10. M is son of P, Q is the grand-daughter of O, who is the husband of P. How is M related to O?
1] Son 2] Daughter 3] Mother 4] Father
11. Ramesh is richer than Satish but Jaya is less rich than Ramesh. Ram is less rich than Jaya but richer than Satish, but is not as rich as Ramesh. Ramesh is less rich than Navin. The richest amongst them is?
1] Ramesh 2] Satish 3] Navin 4] Jaya
12. From the given alternative words, select the word which cannot be formed using the letters of the given word:
CARPENTER
1] NECTAR 2] CARPET 3] PAINTER 4] REPENT
13. If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?
1] EDRIRL 2] ESJFME 3] DCQHQB 4] DEQJQM
14. If A denotes $-$, C denotes \times , D denotes \div , E denotes $+$, then $14C3A12E4D2= ?$
1] 6 2] 17 3] 28 4] 32
15. If $879 = 8$, $625 = 1$, $586 = 9$, then $785 = ?$
1] 6 2] 7 3] 8 4] 9
16. Find the missing number from the given alternatives:
- | | | |
|----|----|---|
| 8 | 7 | 6 |
| 7 | 6 | 5 |
| 6 | 5 | 4 |
| 90 | 65 | ? |
- 1] 54 2] 44 3] 34 4] 26
17. Sham goes to his friend's house that is straight 10 Km from his house. On his way back, he takes a right turn and walks 2 Km and again takes a right turn and walks for 10 Km before he takes a right turn again. How much distance is Sham still away from his house?
1] 10 Km 2] 8 Km 3] 12 Km 4] 2 Km

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18. One or two statements are given followed by two conclusions, I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions/assumptions can definitely be drawn from the given statement. Indicate your answer.

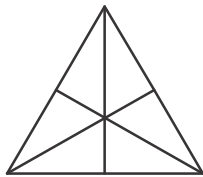
Statement: All boys are tall.

Rajiv is a boy.

Conclusion I: Rajiv is tall.

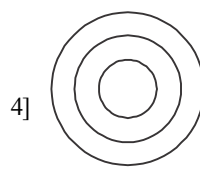
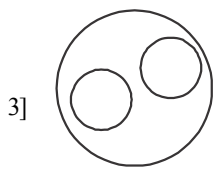
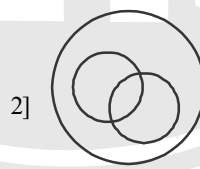
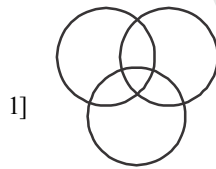
II: Rajiv is not tall.

- 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
19. How many triangles are there in the question figure?

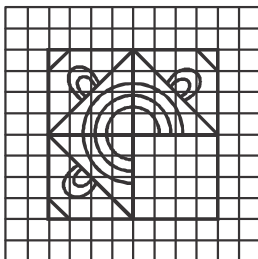


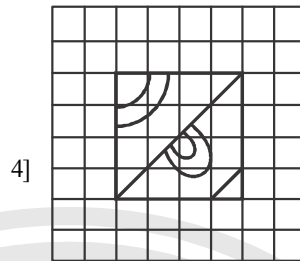
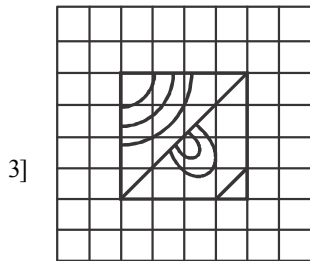
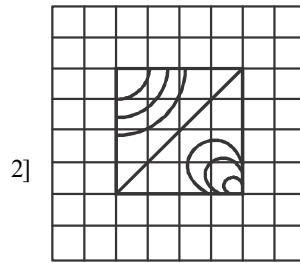
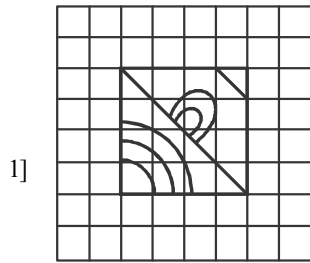
- 1] 6 2] 10 3] 12 4] 16

20. Which of the following diagrams represent the relationship between Awards, Pulitzer Prize and Oscars?
 Birds, Parrots, Bats

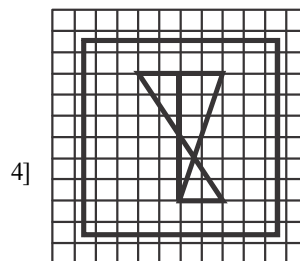
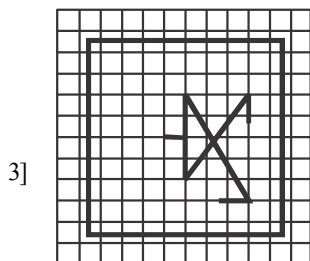
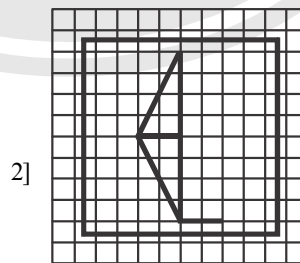
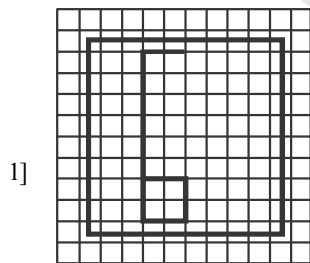
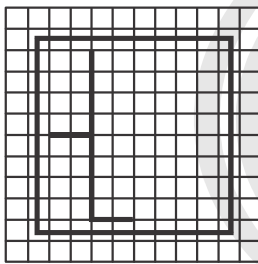


21. Which answer figure will complete the pattern in the question figure?



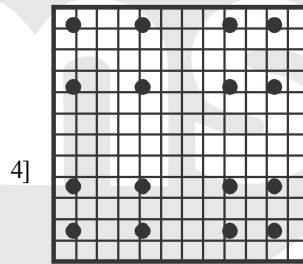
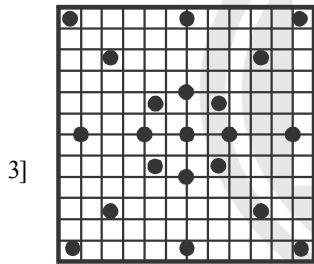
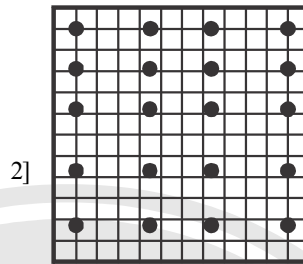
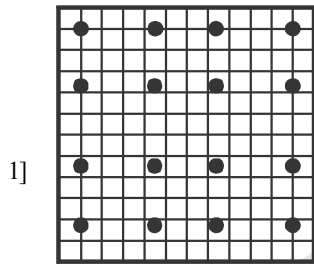
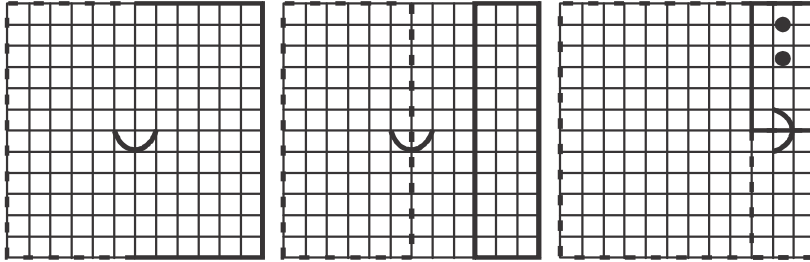


22. From the given answer figures, select the one in which the question figure is hidden/embedded.

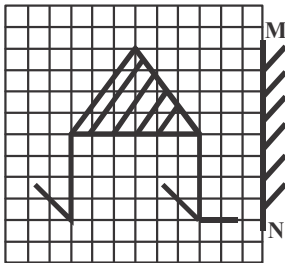


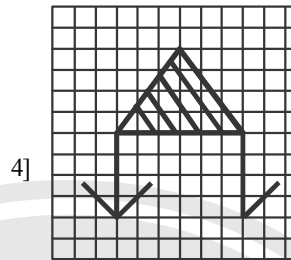
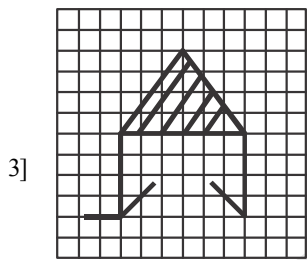
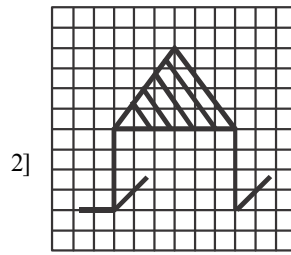
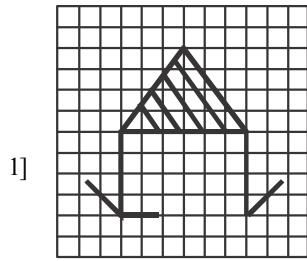
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23. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.



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





25. In this question, the sets of numbers given in the alternatives are represented. 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., D can be represented by 04,12, etc., and 'I' can be represented by 65, 79, etc. Similarly you have to identify the set for the word 'BANK'.

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] 42, 69, 14, 98

2] 00, 55, 33, 57

3] 21, 67, 30, 86

4] 42, 78, 43, 58

END OF SECTION - I

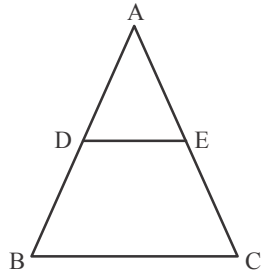
SECTION - III

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

51. If 20 men working 8 hours per day can complete a piece of work in 21 days. How many hours per day must 48 men work to complete the same job in 7 days?
1] 12 2] 20 3] 10 4] 15
52. ABCD is a cyclic quadrilateral. $\angle DBA = 50^\circ$ and $\angle ADB = 33^\circ$. Then the measure of $\angle BCD$ is
1] 83° 2] 80° 3] 75° 4] 60°
53. A shop keeper earns a profit of 12% on selling a book at 10% discount on the printed price. The ratio of cost price to the printed price of the book is
1] 45:56 2] 50: 61 3] 99: 125 4] None of these
54. The number of pupils of a class is 55. The ratio of the number of male pupils to the number of female pupils is 5: 6. The number of female pupils is
1] 11 2] 25 3] 30 4] 35
55. 5% more is gained by selling a watch for Rs. 350 than by selling it for Rs. 340. The cost price of the watch is
1] Rs. 110 2] Rs. 140 3] Rs. 200 4] Rs. 200
56. If 60% of the students in a school are boys and number of girls is 812, how many boys are there in the school?
1] 1128 2] 1218 3] 1821 4] 1281
57. It takes eight hours for a 600 km journey, if 120 km is done by train and the rest by car. It takes 20 minutes more, if 200 km is done by train and the rest by car. The ratio of the speed of the train to that of the car is:
1] 3:5 2] 3:4 3] 4: 3 4] 4: 5
58. If $a + \frac{1}{a} = 1$, then the value of $\frac{a^2 - a + 1}{a^2 + a + 1}$ is ($a \neq 0$)
1] 1 2] - 1 3] 0 4] 2
59. If $m + n = 1$, then the value of $m^3 + n^3 + 3mn$ is equal to
1] 0 2] 1 3] 2 4] 3
60. The maximum number of common tangents that can be drawn to two disjoint circles is
1] 1 2] 2 3] 4 4] Infinitely many

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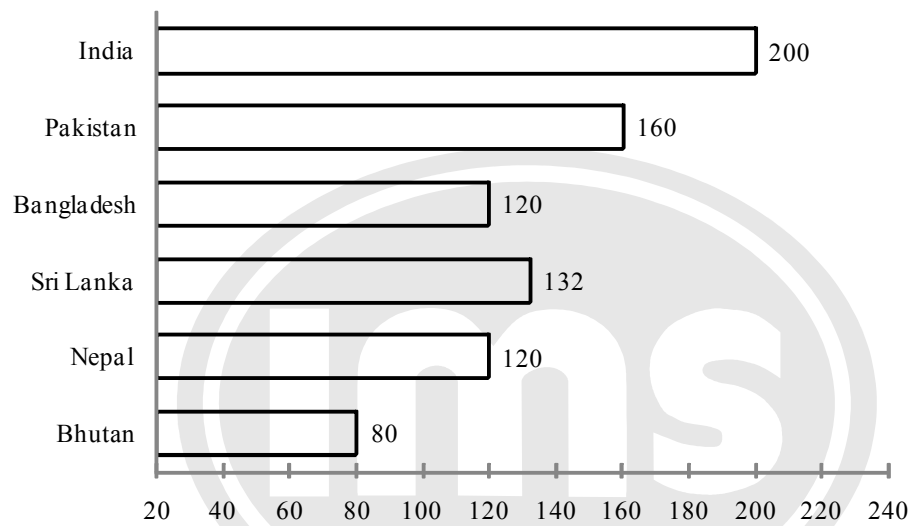
61. In figure, $DE \parallel BC$. If $DE = 3$ cm, $BC = 6$ cm and area of $\triangle ADE = 15$ sq cm, then the area of $\triangle ABC$ is



- 1] 75 sq cm 2] 45 sq cm 3] 30 sq cm 4] 60 sq cm
62. If $\cos^4 \theta - \sin^4 \theta = \frac{1}{3}$, then the value of $\tan^2 \theta$ is
- 1] $\frac{1}{2}$ 2] $\frac{1}{3}$ 3] $\frac{1}{4}$ 4] $\frac{1}{5}$
63. If a perfect square, not divisible by 6, be divided by 6, the remainder will be
- 1] 1, 3 or 5 2] 1, 3 or 5 3] 1, 3 or 4 4] 1, 2 or 4
64. A batsman in his 12th innings makes a score of 120, and thereby increase his average by 5. The average score after 12th innings is
- 1] 60 2] 55 3] 65 4] 70
65. The value of $\sqrt{-\sqrt{3} + \sqrt{3 + 8\sqrt{7 + 4\sqrt{3}}}}$ is
- 1] 2 2] 4 3] ± 2 4] - 2
66. If $x^4 + \frac{1}{x^4} = 119$ then the value of $x - \frac{1}{x}$ is
- 1] 6 2] 12 3] 11 4] 3
67. The side BC of the $\triangle ABC$ is extended to the point D. If $\angle ACD = 112^\circ$ and $\angle B = \frac{3}{4} \angle A$, then the value of $\angle B$ is
- 1] 64° 2] 48° 3] 46° 4] 50°
68. $\triangle ABC$ is a right angled triangle, the radius of its circumcircle is 3 cm and the length of its altitude drawn from the opposite vertex to the hypotenuse is 2 cm. Then the area of the triangle is
- 1] 12 sq cm 2] 3 sq cm 3] 6 sq cm 4] 5 sq cm
69. The height of a tower is $50\sqrt{3}$ m. The angle of elevation of a tower from a distance 50 m from its feet is
- 1] 30° 2] 45° 3] 60° 4] 90°

70. The amount of Rs. 10,000 after 2 years, compounded annually with the rate of interest being 10% per annum during the first year and 12% per annum during the second year, would be (in rupees)
- 1] 11,320 2] 12,000 3] 12,320 4] 12,500
71. The value of $\tan 80^\circ \tan 10^\circ + \sin^2 70^\circ + \sin 20^\circ$ is
- 1] 0 2] 1 3] 2 4] $\frac{\sqrt{3}}{2}$

DIRECTION for questions 72 to 75: The bar graph given below shows the per acre yield (in kg) of different countries. Study the graph carefully and answer the questions



72. The average yield of the given countries is
- 1] $132\frac{1}{3}$ 2] $133\frac{1}{3}$ 3] $134\frac{1}{3}$ 4] $135\frac{1}{3}$
73. By how much percentage is India's per acre yield more than that of Pakistan's?
- 1] 20% 2] 25% 3] $33\frac{1}{3}\%$ 4] 35%
74. Sri Lanka's yield (approximately) is what percent of total yield of all the countries?
- 1] 17.8% 2] 16.2% 3] 18.2% 4] 15.4%
75. Writing the yields of all countries in ascending order, the difference between the sum of yields of first three countries to that of last three countries is
- 1] 200 kg 2] 212 kg 3] 212 kg 4] 162 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. RECEPTACLE

- 1] COMPARTMENT 2] HOLE
3] CONTAINER 4] FUNNEL

77. VANITY

- 1] PRIDE 2] LOVE 3] COURAGE 4] HUMILITY

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] Acqiusition 2] Acqiusition 3] Acquisition 4] Acquisetion

DIRECTION for questions 79 to 81: In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

79. If you permit me to speak the truth (A) / I shall state without hesitation (B) / that you have done a mistake (C) / No Error (D)

- 1] A 2] B 3] C 4] D

80. I succeeded persuading him (A) / to come with me (B) / only after hours of argument (C) / No Error (D)

- 1] A 2] B 3] C 4] D

81. Vermin (A) / does much harm (B) / to crops (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. Light is _____ than sound.

- 1] faster 2] more faster 3] sounder 4] lighter

83. The man _____ for the purpose never did what was expected of him.

- 1] supplied 2] favoured 3] employed 4] cited

84. There was a serious _____ between the two brothers.

- 1] altercation 2] alteration 3] aberration 4] altieration

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93. He began on a new business venture.
1] embarked 2] begun 3] opened 4] No improvement
94. I have to say them the truth.
1] tell 2] state 3] speak 4] No improvement
95. The SSB will interview the candidate between 11 a.m. and 3.00 p.m.
1] 11.00 am to 3 pm 2] 11.00 from 3 pm
3] 11.am by 3.00 pm 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.

Settled life and cultivation gave man leisure; he had no longer to always think of getting food. During spare time he could make stone tools, hoes or pots and weave cloth. Some people spared from producing their own food could even devote themselves to other activities all the time. This resulted in a division of labour. The division of labour made it possible for various groups to specialize, that is, to acquire greater skill and learn better techniques in doing one kind of work.

The settled community life needed rules to regulate the behaviour of the members of the community. It is not possible to know exactly how regulations were established. It appears that the decisions regarding the community were taken by the people as a whole, or by a council of elders, as is in the practice in tribal societies. There were perhaps no kings or any organized government. Most likely, there were chiefs elected by the community for their qualities of leadership. But, these chiefs could not pass their positions on to their sons and they enjoyed few special privileges. Archaeological excavations have not revealed anything which would indicate the prevalence of a higher status for some members of the community. This is also supported by the study of life in many tribes in modern times. Thus, social inequalities do not seem to have emerged even in Neolithic times.

96. What did man do in his spare time?
1] Made stone tools 2] Made hoes or pots
3] Weave cloth 4] All of the above
97. In the passage, “division of labour” means?
1] Specialization to acquire greater skills
2] Learning arithmetic
3] Working in groups
4] Working from home
98. To which period do the Neolithic times refer:
1] Later part of the Stone Age 2] Early part of the Stone Age
3] Later part of the Ice Age 4] Medieval times

99. Chiefs were elected by the community for their

- | | |
|-------------------------------|----------------------------|
| 1] age | 2] qualities of leadership |
| 3] responsibility and courage | 4] trust and loyalty |

100. The meaning of 'privilege' is

- | | | | |
|--------------|-----------|------------|-------------|
| 1] allowance | 2] favour | 3] benefit | 4] interest |
|--------------|-----------|------------|-------------|



END OF SECTION - IV
