PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 28 August 2016, Shift 1

SSC CGL · 28 August 2016 · 10:00 AM - 11:15 AM

85 of the paper's 100 questions · +2 for a correct answer, −0.5 for a wrong one · 75 minutes

Left out of the original paper: 15 (any question that needs a figure or formatting we cannot show, has no answer in the response sheet, or could not be checked against a second copy of the paper).

Questions from the Staff Selection Commission's paper of 28 August 2016, 10:00 AM - 11:15 AM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/ssc-cgl/previous-year-papers/ssc-cgl-2016-tier-1-28-aug-shift-1/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Electric Current : Ampere :: Weight : ?

(a) Scale
(b) Kilogram
(c) Commodity
(d) Measurement

Answer: (b)

2. Select the related word/letters/numbers from the given alternatives: ACXZ : BDWY :: CEVX : ?

(a) DFUZ
(b) DFUW
(c) DGUW
(d) DFUV

Answer: (b)

3. Select the related word/letters/numbers from the given alternatives: 37 : 65 :: 50 : ?

(a) 75
(b) 79
(c) 82
(d) 87

Answer: (c)

4. For the following questions Find the odd word/letters/number from the given alternatives.

(a) Thermometer
(b) Barometer
(c) Diameter
(d) Hygrometer

Answer: (c)

5. For the following questions Find the odd word/letters/number from the given alternatives.

(a) JF

(b) UQ

(c) PL

(d) XS

Answer: (d)

6. For the following questions Find the odd word/letters/number from the given alternatives.

(a) 46-52

(b) 56-62

(c) 66-72

(d) 76-84

Answer: (d)

7. Arrange the following words as per their order in the dictionary 1. Embody 2. Embrace 3. Embitter 4.Emblem 5. Embroidery

(a) 3, 4, 2, 5, 1

(b) 4, 2, 5, 1, 3

(c) 4, 1, 2, 5, 3

(d) 3, 4, 1, 2, 5

Answer: (d)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. CBA, FED, IHG, LKJ, ?

(a) PRT

(b) VUT

(c) ONM

(d) ZYX

Answer: (c)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. 6, 12, 36, 144, 720, 4320, ?

(a) 30420

(b) 30240

(c) 31240

(d) 32240

Answer: (b)

10. Introducing a woman, a man said "Her mother is the only daughter of my mother-in-law". How is the man related to the woman?

(a) Son

(b) Brother

(c) Husband

(d) Father

Answer: (d)

11. Five children are standing in a row. O is third from M who is standing left of N, and P is on the left of Q who is fourth from N. What is the position of P from right?

(a) Third

(b) First

(c) Fourth

(d) Second

Answer: (d)

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

(a) GENTLE

(b) TEEN

(c) GREEN

(d) ENGINE

Answer: (c)

13. If "GOAT" is coded as "HPBU" , then how will "FROG" be coded as?

(a) GSPH

(b) PHSG

(c) GSHP

(d) PSHG

Answer: (a)

14. In a certain code language, '@' represents '+' , '[illegible]' represents '-' , 'α' represents '÷' and 'θ' represents 'x' . Find out the answer to the following question: 8900α100⊕5θ4⊕121α11 = ?

(a) 58

(b) 62

(c) 158

(d) 205

Answer: (a)

15. Some equations are solved on the basis of a certain system. On the same basis, find out the correct answer from amongst the four alternatives to the unsolved equation 1 x 2 x 3 = 231 3 x 4 x 5 = 453 5×6×7=?

(a) 657

(b) 675

(c) 756

(d) 765

Answer: (b)

16. Select the missing numbers from the given alternatives

(a) 12

(b) 18

(c) 20

(d) 30

Answer: (d)

17. Rajneesh started walking towards North. He took a left turn after walking 20 metres. He again took a right turn after walking 30 metres. Which direction is he facing now?

(a) North

(b) East

(c) West

(d) South

Answer: (a)

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. Statements: 1. All books are trees. 2. All trees are lions. Conclusions: I. All books are lions. II. All lions are books. III. All trees are books IV. Some lions are books.

(a) Only conclusions I and III follow

(b) Only conclusions I and IV follow

(c) None of the conclusions follow

(d) All conclusions follow

Answer: (b)

25. 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., 'D' can be represented by 01, 13, etc., and 'H' can be represented by 55, 67, etc. Similarly you have to identify the set for the word 'LIKE'

(a) 56, 58, 03, 02

(b) 57, 65, 62, 02

(c) 56, 62, 03, 02

(d) 57, 68, 40, 02

Answer: (b)

General Awareness

26. What is 'net neutrality'?

(a) Internet Service Providers and governments should treat all data on the internet equally

(b) Piracy in internet must be curbed

(c) Internet users must give out balanced opinions in social media sites

(d) Internet should be kept free from malware and virus

Answer: (a)

27. Excise duty is levied on
    (a) sale of goods
    (b) production of goods
    (c) import of goods
    (d) export of goods

    Answer: (b)

28. Golden Revolution in India refers to growth of:
    (a) Militancy in the north-east.
    (b) Oilseeds production
    (c) Horticulture
    (d) Increased importing of gold

    Answer: (b)

29. Water is used in a hot water bag because
    (a) It is easily available
    (b) It has high specific gravity
    (c) It has high specific heat
    (d) It is a liquid substance

    Answer: (c)

30. What is the meaning of "Public Interest Litigation"
    (a) Anything of public interest
    (b) A case brought by victim to court, involving public interest.
    (c) A case brought by anyone to court in public interest.
    (d) A directive issued by Supreme Court involving public interest

    Answer: (c)

31. Who referred to Mahatma Gandhi as "Father of the Nation" for the first time?
    (a) Jawaharlal Nehru
    (b) Sardar Vallabh Bhai Patel
    (c) C. Rajgopalachari
    (d) Subhash Chandra Bose

    Answer: (d)

32. Which title, given by the British Government to Mahatma Gandhi, was surrendered during the non- cooperation movement?
    (a) Hind Kesari
    (b) Rai Bahadur
    (c) Rt. Honourable
    (d) Kaiser-e-Hind

    Answer: (d)

33. The temperature of a liquid is 32° F. What is its temperature in Celsius scale?
    (a) 32° C
    (b) 0° C
    (c) 100° C
    (d) 212° C
    Answer: (b)

34. The point where total mass of a body is supposed to be concentrated is known as
    (a) Dead centre
    (b) Centre of mass
    (c) Centre of gravity
    (d) Centre of motion
    Answer: (b)

35. Which part of brain is also known as "little brain"?
    (a) Cerebrum
    (b) Cerebellum
    (c) Thalamus
    (d) Hypothalamus
    Answer: (b)

36. Which organism is responsible for alcohol fermentation?
    (a) Chlorella
    (b) Yeast
    (c) Agaricus
    (d) Puccinia
    Answer: (b)

37. Which of the following groups of rivers have their source of origin in Tibet?
    (a) Brahmaputra, Indus & Sutlej
    (b) Ganga, Sutlej & Yamuna
    (c) Brahmaputra, Ganga & Sutlej
    (d) Chenab, Ravi & Sutlej
    Answer: (a)

38. The most ideal region for the cultivation of cotton in India is
    (a) The Brahmaputra Valley
    (b) The Deccan Plateau
    (c) The Indo-Gangetic Valley
    (d) The Rann of Kutch
    Answer: (b)

39. Where do the electrical charges reside in a charged conductor?
    (a) at the core
    (b) throughout the body
    (c) depended upon the nature of the body
    (d) outer surface of the body

    Answer: (d)

40. The colour of the ocean appears to be blue because the sunlight falling on it is
    (a) reflected
    (b) refracted
    (c) diffracted
    (d) scattered

    Answer: (d)

41. In which mode can the computers that are associated send frames directly to each other?
    (a) Adhoc mode
    (b) Infrastructure mode
    (c) Structured mode
    (d) Anonymous mode

    Answer: (a)

42. What was the immediate cause of the Mutiny of 1[illegible]?
    (a) The discontentment of the soldiers
    (b) The use of greased cartridges in the new En[illegible]d Rifle
    (c) The social conditions of India
    (d) The introduction of railways and telegraphs

    Answer: (b)

43. Who introduced the "Doctrine of Lapse" to expand British territories in India?
    (a) Lord Hastings
    (b) Lord Wellesley
    (c) Lord William Bentinck
    (d) Lord Dalhousie

    Answer: (d)

44. HRIDAY scheme launched by Urban Development Ministry aims at
    (a) Education of girl child
    (b) Development of smart cities
    (c) Urban sewage treatment
    (d) Development of heritage sites

    Answer: (d)

45. Global warming is expected to result in
    (a) Increase in sea level
    (b) Change in crop pattern
    (c) Change in coastal line
    (d) All of these

    Answer: (d)

46. Who appoints and dismisses the gazetted officials of the Union Government?
    (a) The President of India
    (b) The Prime Minister of India
    (c) The Home Minister of India
    (d) The Finance Minister of India

    Answer: (a)

47. The industry having the largest investment in Indian Economy is?
    (a) Tea
    (b) Cement
    (c) Steel
    (d) Jute

    Answer: (c)

48. Ajanta Ellora Caves are situated near which of the following cities?
    (a) Mount Abu
    (b) Aurangabad
    (c) Bijapur
    (d) Madurai

    Answer: (b)

49. Which of the following is a name of US Parliament?
    (a) Diet
    (b) Senate
    (c) Congress
    (d) House of Commons

    Answer: (c)

50. Charles Correa is a renowned Indian
    (a) Freedom fighter
    (b) Painter
    (c) Architect, urban planner
    (d) Award winning doctor

    Answer: (c)

Quantitative Aptitude

51. A father can do job as fast as 2 sons working together. If one son does the job in 3 hours and the other in 6 hours, the number of hours taken by the father, to do the job alone is

(a) 1
(b) 2
(c) 3
(d) 4

Answer: (b)

52. The perimeter of a rhombus is 240 m and the distance between any two parallel sides is 20 m. The area of the rhombus in sq.m. is

(a) 600
(b) 1200
(c) 2400
(d) 4800

Answer: (b)

53. A man sold an article for Rs. 450, after allowing a discount of 16 2/3 % on the printed price. What is that printed price?

(a) Rs.525
(b) Rs.530
(c) Rs.535
(d) Rs.540

Answer: (d)

54. A sum of Rs. 770 has been divided among A, B, C in such a way that A receives 2/9 th of what B and C together receive. Then A's share is

(a) Rs.140
(b) Rs.154
(c) Rs.165
(d) Rs.170

Answer: (a)

55. A man bought 4 dozen eggs at ₹ 24 per dozen and 2 dozen eggs at ₹ 32 per dozen. To gain 20% on the whole, he should sell the eggs at

(a) ₹ 16 per dozen
(b) ₹ 21 per dozen
(c) ₹ 32 per dozen
(d) ₹ 35 per dozen

Answer: (c)

56. P's salary is 25% higher than Q, what percentage is Q's salary lower than that of P?

(a) 20

(b) 29

(c) 31

(d) 331/3

Answer: (a)

57. A and B start running at the same time and from the same point around a circle. If A can complete one round in 40 seconds and B in50 seconds, how many seconds will they take to reach the starting point simultaneously?

(a) 10

(b) 200

(c) 90

(d) 2000

Answer: (b)

60. ΔABC is an isosceles triangle with AB = AC = 15 cm and altitude from A on BC is 12 cm. Length of side BC is

(a) 9 cm

(b) 12 cm

(c) 18 cm

(d) 20 cm

Answer: (c)

61. The mid points of AB and AC of a triang ABC respectively X & Y. If BC + XY = 12 units, then the value of BC - XY is:

(a) 2 units

(b) 6 units

(c) 8 units

(d) 4 units

Answer: (d)

63. The difference between two numbers is 9 and the difference between their squares is 207. The numbers are

(a) 17, 8

(b) 16, 7

(c) 15, 6

(d) 23, 14

Answer: (b)

64. The average of 20 numbers is calculated as 35. It is discovered later on that while calculating the average, one number, namely 85, was read as 45. The correct average is

(a) 36

(b) 36.5

(c) 37

(d) 37.5

Answer: (c)

65. If x2 - xy + y2 = 2 and x4 + x2y2 + y4 =6, then the value of x2 + xy + y2 is:

(a) 1

(b) 12

(c) 3

(d) 36

Answer: (c)

66. If a2 + 13b2 + c2 - 4ab - 6bc = 0, then a:b:c is

(a) 1:2:3

(b) 2:3:1

(c) 2:1:3

(d) 1:3:2

Answer: (c)

67. The circum-centre of a triangle ABC is O. If ∠BAC = 35o, ∠BCA = 75o, then ∠OAC is of

(a) 70o

(b) 72o

(c) 75o

(d) 74o

Answer: (a)

68. Radius of the incircle of an equilateral ΔABC of sides 2√3 units is x cm. The value of x is

(a) 1/3

(b) ½

(c) 1

(d) √3

Answer: (c)

70. If the angle of elevation of a cloud from a point 200 m above a lake is 30o and the angle of depression of its reflection in the lake is 60o. Then the height of the cloud above the lake is

(a) 100 m

(b) 200 m

(c) 300 m

(d) 400 m

Answer: (d)

71. The difference between the simple interest and compound interest (compounded annually) on Rs. 40,000 for 3 years at 8% per annum is

(a) Rs.684.32

(b) Rs.788.48

(c) Rs.784.58

(d) Rs.4000

Answer: (b)

72. The pie-chart shows Distribution of Special Children Population during the year 1994-96. Study the pie-chart and answer the following questions.
Find the approximate percentage distribution of children with auditory disorder.

(a) 43.7%

(b) 42.7%

(c) 41.7%

(d) 40.7%

Answer: (c)

73. The pie-chart shows Distribution of Special Children Population during the year 1994-96. Study the pie-chart and answer the following questions.
What is the average number of cases in different types of special children during the year 1994-96.

(a) 417

(b) 413

(c) 433

(d) 465

Answer: (a)

74. The pie-chart shows Distribution of Special Children Population during the year 1994-96. Study the pie-chart and answer the following questions.
Find the ratio between articulatory disorder and speech disorder cases.

(a) 21:55

(b) 55:21

(c) 55:12

(d) 12:55

Answer: (d)

75. The pie-chart shows Distribution of Special Children Population during the year 1994-96. Study the pie-chart and answer the following questions.
What is the ratio between language disorder and the average of the remaining disorder cases.

(a) 219:119

(b) 119:219

(c) 919:419

(d) 729:529

Answer: (a)

English Comprehension

76. 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. COPIOUS

(a) VAST

(b) IDENTICAL

(c) PLENTIFUL

(d) MESSY

Answer: (c)

77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it. EXTRANEOUS

(a) UNUSUAL

(b) DISPIRITED

(c) RELEVANT

(d) INTRUSIVE

Answer: (c)

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.

(a) discripency

(b) discripancy

(c) discrepancy

(d) descripancy

Answer: (c)

79. 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. The Statesman has(A)/the largest circulation of any (B)/English dailies.(C)/No Error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (b)

80. 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. A period of six years(A)/ have elapsed(B)/ since I last saw her.(C)/No Error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (b)

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. For several years now(A)/my newspaper agent has been spelling(B)/my name in correctly.(C)/No Error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (d)

82. 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. One of the reasons the impressionists caused such a scandal was _____ their colours were too bright.

(a) because of which

(b) due to

(c) because

(d) of

Answer: (c)

83. 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. She must sometimes _____ to run away.

(a) has wanted

(b) have wanted

(c) having want

(d) has want

Answer: (b)

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. The bank decided to _____ them the money as they were reliable clients.

(a) let

(b) lend

(c) borrow

(d) lease

Answer: (b)

85. 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. Smooth ruffled feathers

(a) Comb untidy hair

(b) Make people feel less offended

(c) Tousle someone's hair

(d) Stroke a pet animal

Answer: (b)

86. 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. Assume airs

(a) Take tight

(b) Remain calm

(c) Act innocent

(d) Pretend superiority

Answer: (d)

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. Play truant

(a) Play a tyrant

(b) Stay away from duty

(c) Be responsible

(d) Be alert

Answer: (b)

88. Out of the four alternatives, choose the one which can be substituted for the given words/ sentences and click the button corresponding to it. One who studies the working of the human mind.

(a) Anthropologist

(b) Psychologist

(c) Neurologist

(d) Ethnologist

Answer: (b)

89. Out of the four alternatives, choose the one which can be substituted for the given words/ sentences and click the button corresponding to it. Place given to soldiers to live in

(a) Barracks

(b) Trench

(c) Garage

(d) Quay

Answer: (a)

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. A person of South African Dutch descent

(a) Boar

(b) Boer

(c) Boor

(d) Bore

Answer: (b)

Passage — for questions 96–100

> 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. He waited a moment in surprise, wondering why she did not come nearer, and then, maddened by hunger, he dived at the fish. With a loud scream he fell outwards and downwards into space. His mother had soared upwards. As he passed beneath her, he heard the swish of her wings. Then a monstrous terror seized him and his heart stood still. He could hear nothing. But it only lasted a moment. The next moment, he felt his wings spread outwards. The wind rushed against his breast feathers, then under his stomach and against his wings. He could feel the tips of his wings cutting through the air. He was not falling headlong now. He was soaring gradually downwards and outwards. He was no longer afraid. He just felt a bit dizzy. Then, he flapped his wings once and he soared upwards. he uttered a joyous scream and flapped them again. He soared higher. He raised his breast and banked against the wind. His mother swooped past him, her wings making a loud noise. He answered her with another scream.

96. The young seagull dived at the fish

(a) maddened by anger

(b) maddened by want

(c) out of spite

(d) out of loneliness

Answer: (b)

97. His heart stood still because he was seized by _____

(a) a monstrous fury

(b) courage

(c) a monstrous terror

(d) joy

Answer: (c)

98. He was not falling headlong but

(a) he was afraid

(b) he was soaring downwards and outwards

(c) his stomach was full

(d) he was joining his father

Answer: (b)

99. The seagull just felt dizzy
    (a) and was filled with fear
    (b) and was no longer afraid
    (c) and did not flap his wings anymore
    (d) and dived lower

    Answer: (b)

100. What did the young seagull do when his mother swooped past him?
    (a) Let out a joyous scream
    (b) Screamed at her in anger
    (c) Made a loud noise
    (d) Flapped anxiously

    Answer: (a)

Answer key

Answer key as marked in the Staff Selection Commission's response sheet. "—" means the sheet did not show it clearly.

General Intelligence and Reasoning

1	**(b)**	2	**(b)**	3	**(c)**	4	**(c)**	5	**(d)**	6	**(d)**	7	**(d)**	8	**(c)**
9	**(b)**	10	**(d)**	11	**(d)**	12	**(c)**	13	**(a)**	14	**(a)**	15	**(b)**	16	**(d)**
17	**(a)**	18	**(b)**	25	**(b)**										

General Awareness

26	**(a)**	27	**(b)**	28	**(b)**	29	**(c)**	30	**(c)**	31	**(d)**	32	**(d)**	33	**(b)**
34	**(b)**	35	**(b)**	36	**(b)**	37	**(a)**	38	**(b)**	39	**(d)**	40	**(d)**	41	**(a)**
42	**(b)**	43	**(d)**	44	**(d)**	45	**(d)**	46	**(a)**	47	**(c)**	48	**(b)**	49	**(c)**
50	**(c)**														

Quantitative Aptitude

51	**(b)**	52	**(b)**	53	**(d)**	54	**(a)**	55	**(c)**	56	**(a)**	57	**(b)**	60	**(c)**
61	**(d)**	63	**(b)**	64	**(c)**	65	**(c)**	66	**(c)**	67	**(a)**	68	**(c)**	70	**(d)**
71	**(b)**	72	**(c)**	73	**(a)**	74	**(d)**	75	**(a)**						

English Comprehension

76	**(c)**	77	**(c)**	78	**(c)**	79	**(b)**	[illegible]	**(b)**	81	**(d)**	82	**(c)**	83	**(b)**
84	**(b)**	85	**(b)**	86	**(d)**	87	**(b)**	[illegible]	**(b)**	89	**(a)**	90	**(b)**	96	**(b)**
97	**(c)**	98	**(b)**	99	**(b)**	100	[illegible]								