PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 9 September 2016, Shift 1

SSC CGL · 9 September 2016 · 10:00 AM - 11:15 AM

84 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: 16 (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 9 September 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-1-9-sep-shift-1/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Magazine : Editor :: Drama : ?
   (a) Director
   (b) Hero
   (c) Heroine
   (d) Painter
   Answer: (a)

2. Select the related word/letters/numbers from the given alternatives: ACEG : IKMO :: QSUW : ?
   (a) YZCE
   (b) YACD
   (c) YACE
   (d) YBCE
   Answer: (c)

3. Select the related word/letters/numbers from the given alternatives: 12 : 39 :: 15 : ?
   (a) 48
   (b) 52
   (c) 39
   (d) 51
   Answer: (a)

4. For the following questions Find the odd word/letters/number pair from the given alternatives.
   (a) Torch
   (b) Battery
   (c) Candle
   (d) Lamp
   Answer: (b)

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

(a) CA

(b) FD

(c) KI

(d) TQ

Answer: (d)

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

(a) 73-61

(b) 57-69

(c) 47-59

(d) 42-29

Answer: (d)

7. Arrange the following words as per order in the dictionary.
1. Scarf 2.Scene 3.Shell 4.Survey 5.Stream

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

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

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

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

Answer: (d)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
DCB, HGF, ? , PON

(a) LKJ

(b) QRO

(c) SUM

(d) XZY

Answer: (a)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
4, 9, 16, 25, 36, ?

(a) 49

(b) 56

(c) 21

(d) 94

Answer: (a)

10. A is D's brother. D is B's father. B&C are sisters. How is C related to A?

(a) Cousin

(b) Niece

(c) Aunt

(d) Nephew

Answer: (b)

11. At a college party 5 girls are sitting in a row. P is to the left of M and to the right of O. R is sitting to the right of N, but to the left of O. Who is sitting in the middle?

(a) O

(b) R

(c) P

(d) M

Answer: (a)

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

(a) CONSTANT

(b) NATION

(c) SALUTE

(d) STATION

Answer: (c)

13. If S = 19, SUN = 54 and CAKE = 20 , then MISTA = ?

(a) 78

(b) 68

(c) 59

(d) 48

Answer: (a)

14. If '+' stands for multiplication, '-' stands for addition, 'x' stands for division, then what is the value of 128 + 9 - 16 x 4 = ?

(a) 73

(b) 256

(c) 1156

(d) 1352

Answer: (c)

15. In this question, 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 for the unsolved equation.
6 x 2 x 9 = 269 8 x 7 x 1 = 781 4×1×3=?

(a) 431

(b) 413

(c) 341

(d) 143

Answer: (d)

16. Select the missing numbers from the given alternatives

(a) 143

(b) 169

(c) 455

(d) 545

Answer: (c)

17. To attend an exam, Sudhir reached the school by travelling 5 km towards South, and after a sharp left turn, he travelled for about 10 km. He again made a sharp left turn and reached in front of the school by travelling 5 km more. Which direction is Sudhir's starting point from the school?

(a) East

(b) West

(c) North

(d) South

Answer: (b)

18. Consider the given statement/s to be true [illegible] cide which of the given conclusions/ assumptions can definitely be drawn from the given statement. Statements: 1. All books are novels. 2. Some novels are poems. Conclusions: I. Some books are poems. II. Some poems are novels.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Neither conclusion I nor conclusion II follows

(d) Both conclusion I and conclusion II follow

Answer: (b)

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., 'L' can be represented by 12, 24 etc., and 'R' can be represented by 55, 67 etc. Similarly you have to identify the set for the word 'SENT'

(a) 10, 20, 58, 77

(b) 22, 32, 65, 78

(c) 34, 44, 67, 87

(d) 41, 13, 87, 68

Answer: (b)

General Awareness

26. Swarna Jayanti Gram Swarojgar Yojna has now been restructured as
    (a) Prime Minister's Rojgar Yojna
    (b) National Rural Livelihoods Mission
    (c) Jawahar Gram Samriddhi Yojana
    (d) Sampoorna Gramin Rojgar Yojana

    Answer: (b)

27. Neeraj Chopra is associated with which sports?
    (a) Kabaddi
    (b) Cricket
    (c) Javelin Throw
    (d) Wrestling

    Answer: (c)

28. Which of the following is not a commercial source of energy?
    (a) Coal
    (b) Petroleum
    (c) Natural Gas
    (d) Firewood

    Answer: (d)

29. Who is the runners-up in the recently held UEFA [illegible]ro-16?
    (a) Germany
    (b) Portugal
    (c) France
    (d) U.K

    Answer: (c)

30. Taoism, is an ancient tradition of Philosophy and religious belief deeply rooted in
    (a) Taiwanese custom and world view
    (b) Chinese custom and world view
    (c) Japanese custom and world view
    (d) Vietnamese custom and world view

    Answer: (b)

31. Which of the following is an emergency hormone in humans?
    (a) Thyroxine
    (b) Insulin
    (c) Adrenalin
    (d) Progestrone

    Answer: (c)

32. Which term is not associated with sound wave?
    (a) Hertz
    (b) Decibel
    (c) Candela
    (d) Mach

    Answer: (c)

33. In computer science, data hazard occurs when
    (a) pipeline changes the order of read/write access to operands
    (b) performance loss
    (c) machine size is limited
    (d) some functional unit is not fully pipelined

    Answer: (a)

34. During the period of which Governor General / Viceroy was the Indian Civil Service introduced?
    (a) Dalhousie
    (b) Curzon
    (c) Bentick
    (d) Cornwallis

    Answer: (d)

35. Which of the following is the uppermost layer of the atmosphere?
    (a) Stratosphere
    (b) Mesosphere
    (c) Ionosphere
    (d) Exosphere

    Answer: (d)

36. The first Commercial Civilian Aircraft developed by India is :
    (a) Pawan Hans
    (b) Tejas
    (c) Gajraj
    (d) Saras

    Answer: (d)

37. Webbed neck is a characteristic of
    (a) Down's syndrome
    (b) Turner's syndrome
    (c) Klinefelter's syndrome
    (d) Cri-du-chat syndrome

    Answer: (b)

38. The World Trade Organisation, which replaced GATT, has its Head Quarters in
    (a) Vienna
    (b) Brussels
    (c) New York
    (d) Geneva
    Answer: (d)

39. The minimum age limit for the membership of the Vidhan Parishad is _____ .
    (a) 21 years
    (b) 25 years
    (c) 30 years
    (d) 35 years
    Answer: (c)

40. National Anthem of Bangladesh 'Amar Sonar Bangla' was written by
    (a) Rabindranath Tagore
    (b) Sarojini Naidu
    (c) Kazi Nazrul Islam
    (d) Taslima Nasrin
    Answer: (a)

41. The largest producer of Lac in India is
    (a) Chattisgarh
    (b) Jharkhand
    (c) West Bengal
    (d) Gujarat
    Answer: (b)

42. The founder of Bachpan Bachao Andolan (Save Child Movement) is
    (a) Malala Yousafzai
    (b) Sane Guruji
    (c) Salman Khan
    (d) Kailash Satyarthi
    Answer: (d)

43. If an electron and a photon have the same wavelength, then they will have the same
    (a) velocity
    (b) linear momentum
    (c) angular momentum
    (d) energy
    Answer: (b)

44. Pandit Lachhu Maharaj, who passed away recently, was associated with
    (a) Flute
    (b) Tabla
    (c) Kathak
    (d) Bharatnatyam

    Answer: (b)

45. A tropical deciduous plant special to the Deccan plateau is
    (a) Teak
    (b) Shisam
    (c) Sandalwood
    (d) Sal

    Answer: (c)

46. Kalarippayatt is the martial art of which State of
    (a) Madhya Pradesh
    (b) Mizoram
    (c) Nagaland
    (d) Kerala

    Answer: (d)

47. Leptospirosis is a disease caused by
    (a) Virus
    (b) Fungus
    (c) Protozoa
    (d) None

    Answer: (d)

48. The most abundant metal in the Earth's crust is
    (a) zinc
    (b) copper
    (c) aluminium
    (d) iron

    Answer: (c)

49. Hepatitis affects which organ of the human body?
    (a) Liver
    (b) Pancreas
    (c) Spleen
    (d) Small intestine

    Answer: (a)

50. Mohammed Shahid, who recently passed away, was associated with which sport?

(a) Badminton

(b) Hockey

(c) Football

(d) Cricket

Answer: (b)

Quantitative Aptitude

51. A & B together finish a job in 24 days, while A, B & C together can finish the same job in 8 days. C alone will finish the job in

(a) 12 days

(b) 14 days

(c) 16 days

(d) 24 days

Answer: (a)

53. The original price of a TV set is Rs. 6,000. If the price is discounted by 20% and then raised by 10% for service contract, the price charged by the shopkeeper is

(a) Rs. 5400

(b) Rs. 5280

(c) Rs. 5100

(d) Rs.4200

Answer: (b)

54. A certain sum of money was divided betw B and C in the ratio 5:6:9. If A received Rs. 450 the sum divided was

(a) 2000

(b) 1800

(c) 2250

(d) 1000

Answer: (b)

55. By selling a bag at Rs. 230, profit of 15% is made. The selling price of the bag, when it is sold at 20% profit would be

(a) Rs.250

(b) Rs.205

(c) Rs.240

(d) Rs.200

Answer: (c)

57. A Bus travels at the speed of 36 km/hr, then the distance covered by it in one second is

(a) 10 m

(b) 15 m

(c) 12.5 m

(d) 13.5 m

Answer: (a)

59. The value of $(1 - \sqrt{2}) + (\sqrt{2} - \sqrt{3}) + (\sqrt{3} - \sqrt{4}) + ... + (\sqrt{15} - \sqrt{16})$ is

(a) 0

(b) 1

(c) -3

(d) 4

Answer: (c)

60. ΔABC and ΔDEF are two similar triangles and the perimeter of ΔABC and ΔDEF are 30 cm and 18 cm respectively. If length of DE = 36 cm, then length of AB is

(a) 60 cm

(b) 40 cm

(c) 45 cm

(d) 50 cm

Answer: (a)

61. If the length of a chord of a circle is equal to that the radius of the circle, then the angle subtended, in radians, at the centre of the circle by ord is

(a) 1

(b) $\prod/2$

(c) $\prod/3$

(d) $\prod/4$

Answer: (c)

63. The average salary of male employees in a firm was Rs. 5200 and that of females was Rs. 4200. The mean salary of all the employees was Rs. 5000. What is the % of female employees?

(a) 80%

(b) 20%

(c) 40%

(d) 30%

Answer: (b)

65. The cube of 105 is

(a) 1157625

(b) 1175625

(c) 1185625

(d) 1158625

Answer: (a)

66. In ΔABC, $\angle B$ is right angle, D is the mid point of the side AC. If AB = 6 cm, BC = 8cm, then the length of BD is

(a) 4 cm

(b) 5 cm

(c) 8 cm

(d) 12 cm

Answer: (b)

67. The diagonals of two squares are in the ratio 5:2.The ratio of their area is

(a) 5:6

(b) 25:4

(c) 5:4

(d) 125:8

Answer: (b)

68. The angle of elevation of a ladder leaning against a wall is 60o and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is

(a) 2.3 m

(b) 4.6 m

(c) 9.2 m

(d) 7.8 m

Answer: (c)

69. The product of two 2-digit numbers is 2160 and their H.C.F. is 12. The numbers are

(a) (12, 60)

(b) (72, 30)

(c) (36, 60)

(d) (60, 72)

Answer: (c)

70. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Rs. 1. The sum (in Rs.) is:

(a) 620

(b) 630

(c) 640

(d) 625

Answer: (d)

71. In a mixture of 25 litres, the ratio of milk to water is 4:1. Another 3 litres of water is added to the mixture. The ratio of milk to water in the new mixture is

(a) 5:1

(b) 5:2

(c) 5:3

(d) 5:4

Answer: (b)

Passage — for questions 72–75

> A constituency is divided in four regions A, B, C and D. Two candidates X & Y contested the last election from that constituency. The adjoining graph gives the break up of voting in the four regions. Study the graph and answer the following questions.

72. Approximately how much percent of voters voted in favour of X?
    (a) 45.4
    (b) 47.5
    (c) 50
    (d) 225

    Answer: (b)

73. Approximately how much percent of voters did not caste their votes?
    (a) 4.9
    (b) 4.5
    (c) 0.23
    (d) 23

    Answer: (a)

74. In region B, Y gets A% more votes than X. Find the value of A?
    (a) 24%
    (b) 21%
    (c) 19%
    (d) 15%

    Answer: (b)

75. Nearly what percentage of his total votes did X receive from region B?
    (a) 30
    (b) 31
    (c) 32
    (d) 35

    Answer: (c)

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. INSOLENT
    (a) DISTASTEFUL
    (b) IMPATIENT
    (c) DIABOLIC
    (d) RUDE

    Answer: (d)

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. VIRTUE

(a) WILES

(b) CURSE

(c) VICE

(d) CUNNING

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) Tranquility

(b) Tranquillity

(c) Trankquility

(d) Trankwility

Answer: (b)

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. Could she cite (A)/ any precedent in support (B)/ for her case? (C)/ No Error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. The General Manager of the industry has felt (A)/ that there is no use of (B)/ discussing about the problems with the labourers. (C)/No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. She enquired from the stranger (A)/ who was he and (B)/ what he wanted from her. (C)/ No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (b)

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. We acted on a _____ impulse.

(a) momentary

(b) momentous

(c) memorable

(d) meritorious

Answer: (a)

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. Do your best and we'll back you _____ .

(a) on

(b) in

(c) out

(d) up

Answer: (d)

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. Sanjay _____his mother in the morning everyday.

(a) calls in

(b) calls up

(c) calls off

(d) calls down

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. Put two and two together

(a) Bad at mathematics

(b) Poor financial condition

(c) Reason logically

(d) Forget something

Answer: (c)

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. An axe to grind

(a) Attack aggressively

(b) Suffer a lot

(c) Betray somebody

(d) Have a selfish interest

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. Pick to pieces

(a) Study something superficially

(b) Complete a work entirely

(c) Analyse critically

(d) Select only what you need.

Answer: (c)

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. A person who lays too much stress on bookish-learning

(a) Pervert

(b) Pedant

(c) Philosopher

(d) Scholar

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. Postponement or delay permitted in the suffering of a penalty or the discharge of an obligation.

(a) Respite

(b) Spire

(c) Splurge

(d) Scourge

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. Deviation from the right course

(a) Imagination

(b) Amalgamation

(c) Illumination

(d) Aberration

Answer: (d)

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. The Alaska pipeline starts at the frozen edge of the Arctic Ocean. It stretches southward across the largest and northernmost state in the United States, ending at a remote ice-free seaport village nearly 800 miles from where it begins. It is massive in size and extremely complicated to operate. The steel pipe crosses windswept plains and endless miles of delicate tundra that tops the frozen ground. It weaves through crooked canyons, climbs sheer mountains, plunges over rocky crags, makes its way through thick forests, and passes over or under hundreds of rivers and streams. The pipe is 4 feet in diameter, and up to 2 million barrels (or 84 million gallons) of crude oil can be pumped through it daily. Resting on H-shaped steel racks called "bents", long sections of the pipeline follow a zigzag course high above the frozen earth. Other long sections drop out of sight beneath spongy or rocky ground and return to the surface later on. The pattern of the pipeline's upand-down route is determined by the often harsh demands of the arctic and subarctic climate, the tortuous lay of the land, and the varied compositions of soil, rock, or permafrost (permanently frozen ground). A little more than half of the pipeline is elevated above the ground. The remainder is buried anywhere from 3 to 12 feet, depending largely upon the type of terrain and the properties of the soil. One of the largest in the world, the pipeline cost approximately $8 billion and is by far the biggest and most expensive construction project ever undertaken by private industry. In fact, no single business could raise that much money, so 8 major oil companies formed a consortium in order to share the costs. Each company controlled oil rights to particular shares of land in the oil fields and paid into the pipelineconstruction fund according to the size of its holdings. Today, despite enormous problems of climate, supply shortage, equipment breakdowns, labour disagreements, treacherous terrain, a certain amount of mismanagement, and even theft, the Alaska pipeline has been completed and is operating.

96. The Alaskan pipeline ends
    (a) north of Alaska
    (b) at a seaport village
    (c) after passing through canyons and rivers
    (d) at a tundra covered village

    Answer: (b)

97. What is the capacity of the Alaskan pipeline?
    (a) 2 million gallons of crude oil
    (b) 4 million barrels of crude oil
    (c) 84 million gallons of crude oil
    (d) 84 billion barrels of crude oil

    Answer: (c)

98. What are "bents"?
    (a) Zigzag shape of pipeline
    (b) Pipeline's up and down route
    (c) The section of the pipeline that drops out of sight
    (d) The H-shaped steel racks

    Answer: (d)

99. How was the fund for pipeline - construction generated?
    (a) 8 major oil companies joined hands to share the cost
    (b) 8 major oil companies borrowed $8 billion.
    (c) A single private company raised $8 billion
    (d) Oil rights were sold to 8 major oil companies

    Answer: (a)

100. Which of the following were not problems faced while constructing the pipeline?
    (a) Supply shortages
    (b) Treacherous terrain
    (c) Lack of funds
    (d) Equipment breakdown

    Answer: (c)

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

General Awareness

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

Quantitative Aptitude

51	**(a)**	53	**(b)**	54	**(b)**	55	**(c)**	57	**(a)**	59	**(c)**	60	**(a)**	61	**(c)**
63	**(b)**	65	**(a)**	66	**(b)**	67	**(b)**	68	**(c)**	69	**(c)**	70	**(d)**	71	**(b)**
72	**(b)**	73	**(a)**	74	**(b)**	75	**(c)**								

English Comprehension

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