PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 8 September 2016, Shift 3

SSC CGL · 8 September 2016 · 4:15 PM - 5:30 PM

81 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: 19 (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 8 September 2016, 4:15 PM - 5:30 PM. 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-1-8-sep-shift-3/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Air:Bird::Water: ?
   (a) Fish
   (b) Swim
   (c) Wash
   (d) Drink
   Answer: (a)

2. Select the related word/letters/numbers from the given alternatives: ACEG:BDFH::IKMO: ?
   (a) IJKL
   (b) JLNP
   (c) KLMN
   (d) HIJK
   Answer: (b)

3. Select the related word/letters/numbers from the given alternatives: 12:20::30: ?
   (a) 15
   (b) 35
   (c) 42
   (d) 48
   Answer: (c)

4. For the following questions Find the odd word/letters/number pair from the given alternatives. (A) Neurologist (B) Dentist (C) Architect (D) Paediatrician
   (a) A
   (b) B
   (c) C
   (d) D
   Answer: (c)

5. For the following questions Find the odd word/letters/number pair from the given alternatives. (A) KP (B) MN (C) HR (D) GT

(a) A

(b) B

(c) C

(d) D

Answer: (c)

6. For the following questions Find the odd word/letters/number pair from the given alternatives. (A) 16-28 (B) 20-30 (C) 30-40 (D) 40-50

(a) A

(b) B

(c) C

(d) D

Answer: (a)

7. Arrange the following words as per order in the dictionary.
1. Syringe 2. Syphilis 3. Syncretism 4. Synarchy 5. Submerge

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

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

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

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

Answer: (b)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
WYV, ? , IKH, BDA

(a) OPR

(b) ROP

(c) PRO

(d) OQH

Answer: (c)

9. Which number will complete the series?
6 , 8 , 17 , 19 , 28 , 30 , ?

(a) 32

(b) 37

(c) 38

(d) 39

Answer: (d)

10. A is B's brother, C is A's mother, D is C's father, F is A's son. How is A related to F's child?

(a) Aunt

(b) Cousin

(c) Nephew

(d) Grandfather

Answer: (d)

11. Seven boys A,B,C,D,E,F and G are standing in a line. (i) G is between A and E (ii) F and A have one boy between them (iii) E and C have two boys between them (iv) D is immediate right of F (v) C and B have three boys between them Who is second from left?

(a) C

(b) G

(c) E

(d) A

Answer: (c)

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

(a) TEAMS

(b) MASTER

(c) SUMMIT

(d) SUMMER

Answer: (c)

13. In a certain code language the word EXAMPLE is written as EMAXSEPL. How will the word BUOYANCY be written in that language?

(a) YBANCYOU

(b) CUOYYBAN

(c) CUYOYBAN

(d) CYOUYBAN

Answer: (d)

14. If P denotes multiply, T denotes subtraction, M denotes addition, B denotes division then 28B7P8T6M4 = ?

(a) 28

(b) 30

(c) 32

(d) 34

Answer: (b)

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.
7 x 5 x 6 = 576, 4 x 2 x 5 = 245, 8×2×5=?

(a) 258

(b) 285

(c) 582

(d) 852

Answer: (b)

17. Pranav went 10 Km to the North. Then he turned West and covered 10 Km. Then he turned south and covered 5 Km. Finally, he turned to the East and covered 10 Km. In which direction he is from the starting point?

(a) South

(b) North

(c) East

(d) West

Answer: (b)

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: Many books are rocks. All rocks are clips. Conclusion I: Some books are clips. II: No rock is a book.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusion I and conclusion II follow

(d) Neither conclusion I nor conclusion II follow

Answer: (a)

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., O can be represented by 02,14, etc., and P can be represented by 55,67,, etc. You have to identify the set for the word 'NECK'.

(a) 96,32,34,68

(b) 77,13,69,75

(c) 65,21,58,99

(d) 89,44,30,87

Answer: (d)

General Awareness

26. Which of the following green house gases has the greatest heat-trapping ability?
    (a) Chlorofluoro carbon
    (b) Methane
    (c) Carbon dioxide
    (d) Nitrous oxide

    Answer: (a)

27. Which State of India is leading in solar energy generation ?
    (a) Gujarat
    (b) Rajasthan
    (c) Haryana
    (d) Uttar Pradesh

    Answer: (b)

28. Diamond does not conduct electricity, because
    (a) It's structure is very compact
    (b) It is of crystalline nature
    (c) There are only carbon atoms present in it
    (d) No free electrons are present in it

    Answer: (d)

29. Ganga is a result of confluence of rivers Bhagirath and Alakananda at which place ?
    (a) Dev Prayag
    (b) Karan Prayag
    (c) Gangotri
    (d) Rudra Prayag

    Answer: (a)

30. What are Aldehydes ?
    (a) Mild oxidising agents
    (b) Strong oxidising agents
    (c) Strong reducing agents
    (d) Mild reducing agents

    Answer: (c)

31. Which circuit is used to store one bit of data ?
    (a) Register
    (b) Flip Flop
    (c) Vector
    (d) Encoder

    Answer: (b)

32. Why is weightlessness experienced while orbiting the earth in space ships ?
    (a) Inertia
    (b) Acceleration
    (c) Zero gravity
    (d) Orbital motion

    Answer: (c)

33. Which is the largest gland in human body?
    (a) Liver
    (b) Thyroid
    (c) Pituitary
    (d) Salivary gland

    Answer: (a)

34. Who was the President of Indian National Congress at the time of Indian independence ?
    (a) Maulana Abdul Kalam Azad
    (b) J. B. Kriplani
    (c) Jawahar Lal Nehru
    (d) Rajendra Prasad

    Answer: (b)

35. What is the minimum age for membership to Rajya Sabha ?
    (a) 20 years
    (b) 25 years
    (c) 30 years
    (d) 35 years

    Answer: (c)

36. What is an octroi ?
    (a) Tax
    (b) Tax collection centre
    (c) Tax processing centre
    (d) Tax information centre

    Answer: (a)

37. Sextant is an instrument used in which of the following ?
    (a) Gynaecology
    (b) Navigation
    (c) Birth control
    (d) Medical treatment

    Answer: (b)

38. Which of the following is not correctly matched?
    (a) The Mahakaal temple - Ujjain
    (b) Sringeri Matha - Chikkmanglur district
    (c) The Sun Temple - Konark
    (d) Jain temples - Khajuraho

    Answer: (d)

39. What is Gol Gumbadh ?
    (a) Mausoleum of Hyder Ali
    (b) Mausoleum of Aurangazeb
    (c) Mausoleum of Chand Bibi
    (d) Mausoleum of Mohammed Adil Shah

    Answer: (d)

40. Where is a transistor most likely to be found ?
    (a) Wrist watch
    (b) Fuse
    (c) Hearing aid
    (d) Fluorescent lamp

    Answer: (c)

41. Which organ of human body secretes Insulin?
    (a) Pancreas
    (b) Kidney
    (c) Gall bladder
    (d) Liver

    Answer: (a)

42. If a healthy freshwater fish is placed in salt water, what will be the expected consequence ?
    (a) The fish becomes dehydrated and dies
    (b) The fish becomes bloated and dies
    (c) The fish suffers from fungal or bacterial disease and dies
    (d) There is no observable effect on the fish provided there is sufficient food

    Answer: (a)

43. Which country is known as 'Land of Midnight Sun'?
    (a) Sweden
    (b) Norway
    (c) Germany
    (d) Finland

    Answer: (b)

44. Which river basin is shared by more than 10 States of India ?
    (a) Indus
    (b) Brahmaputra
    (c) Ganges
    (d) Damodar

    Answer: (c)

45. Who among the following was the first grammarian of the Sanskrit language?
    (a) Kalhana
    (b) Maitreyi
    (c) Kalidasa
    (d) Panini

    Answer: (d)

46. What is the total strength of the Rajya Sabha?
    (a) 250
    (b) 260
    (c) 270
    (d) 280

    Answer: (a)

47. Which of the following is done at a Stock Exchang
    (a) Commodities are bought and sold at wholesa rice
    (b) Commodities are bought and sold at retail p
    (c) Securities are bought and sold
    (d) None of these

    Answer: (c)

48. Which of the following is India's military offensive against Pakistan in the Kargil war ?
    (a) Operation Kargil
    (b) Operation LOC
    (c) Operation Vijay
    (d) Operation Success

    Answer: (c)

49. Who gave the title 'Nightingale of India' to Sarojini Naidu ?
    (a) Jawaharlal Nehru
    (b) Rabindranath Tagore
    (c) Rajendra Prasad
    (d) Mahatma Gandhi

    Answer: (d)

50. The headquarters of RBI is in

(a) Delhi

(b) Kanpur

(c) Mumbai

(d) Nasik

Answer: (c)

Quantitative Aptitude

52. The lengths of diagonals of a rhombus are 24cm and 10cm the perimeter of the rhombus (in cm) is :

(a) 52

(b) 56

(c) 68

(d) 72

Answer: (a)

55. If the Arithmetic mean of 7, 5, 13, x and 9 is 10, then the value of x is

(a) 10

(b) 12

(c) 14

(d) 16

Answer: (d)

56. A man sells an article at 15% profit. If he sells it for ₹ 6 more, he would have gained 18%. The man bought the article for

(a) 100

(b) 150

(c) 200

(d) 250

Answer: (c)

59. A money lender lends Rs. 400 for 3 years to a person and lends Rs. 500 for 4 years to the other person at the same rate of simple interest. If altogether he receives Rs. 160 as interest, what is the rate of interest per annum ?

(a) 5%

(b) 7%

(c) 9%

(d) 10%

Answer: (a)

60. If $x = 1/(\sqrt{2}+1)$ then the value of $x^2 + 2x - 1$ is

(a) $2\sqrt{2}$

(b) 4

(c) 0

(d) 2

Answer: (c)

61. If $x + 1/x = \sqrt{13}$, then $3x/(x^2-1)$ equal to

(a) $3\sqrt{13}$

(b) $\sqrt{13}/3$

(c) 1

(d) 3

Answer: (c)

62. O is an centre of a circle. P is an external point of it at distance of 13cm from O. The radius of the circle is 5cm. Then the length of a tangent to the circle from P upto the point of contact is

(a) $\sqrt{194}$cm

(b) 10cm

(c) 12cm

(d) 8cm

Answer: (c)

63. If θ is acute angle and $\sin(\theta+18°)= 1/2$, then the value of θ in circular measure is

(a) Π/12 radians

(b) Π/15 radians

(c) 2Π/5 radians

(d) 3Π/13 radians

Answer: (b)

64. 18 men or 36 boys working 6 hours a day can plough a field in 24 days. In how many days will 24 men and 24 boys working 9 hours a day plough the same field ?

(a) 9

(b) 10

(c) 6

(d) 8

Answer: (d)

65. If $a(x + y) = b(x - y) = 2ab$, then the value of $2(x^2 + y^2)$ is

(a) $2(a^2 - b^2)$

(b) $2(a^2 + b^2)$

(c) $4(a^2 - b^2)$

(d) $4(a^2 + b^2)$

Answer: (d)

66. If x + 1/x = 6, then value of x2 + 1/x2 is

(a) 23

(b) 16

(c) 34

(d) 32

Answer: (c)

67. G is the centroid of the equilateral triangle ABC, if AB = 9cm then AG is equal to

(a) 3√3cm

(b) 3cm

(c) 3√3/2cm

(d) 6cm

Answer: (a)

68. In the figure (not drawn to scale) given below, if AD = DC = BC and ∠BCE = 96°,then ∠DBC is

(a) 32°

(b) 84°

(c) 64°

(d) 96°

Answer: (c)

69. If θ is positive acute angle and 4sin2θ = 3, then tr alue of tan θ - cot θ/2 is

(a) 1

(b) 0

(c) √3

(d) 1/√3

Answer: (b)

70. The chord AB of a circle of centre O subtends an angle θ with the tangent at A to the circle. Then measure of∠ABO is

(a) θ

(b) 90° - θ

(c) 90° + θ

(d) 2 (180° - θ)

Answer: (b)

71. From a point on a bridge across the river, the angles of depression of the banks on opposite sides of the river are 30° and 45° respectively. If the bridge is at a height of 2.5m from the banks, then the width of the river is (take √3 = 1.732)

(a) 5.83m

(b) 6.83m

(c) 5.76m

(d) 6.87m

Answer: (b)

74. The pie-chart given below show usage of materials in a construction of a house. Study the chart and answers the questions :
If the cost of cement is ₹ 5000/- then the labour cost is

(a) 5500
(b) 6250
(c) 9000
(d) 4000

Answer: (b)

75. The pie-chart given below show usage of materials in a construction of a house. Study the chart and answers the questions :
The average of percentages of steel, cement and miscellaneous items used in the construction is

(a) 10%
(b) 25%
(c) 20%
(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. REPROOF

(a) WARNING
(b) RIDICULE
(c) REBUKE
(d) THREAT

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. INVALUABLE

(a) PRICELESS
(b) RARE
(c) INESTIMABLE
(d) WORTHLESS

Answer: (d)

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) Stagnetion
(b) Stagnasion
(c) Stagnation
(d) Stegnation

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. I have come (A)/ as soon as (B)/ the customers leave your shop (C)/ No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (a)

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. I called (A)/ at his house yesterday (B)/ and have given him money (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. The reason for (A)/ my absence is (B)/ due to ill health (C)/ No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. I like _____ in the sun.

(a) laying

(b) lay

(c) lie

(d) lying

Answer: (d)

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. Please do not _____ an offer made by the Chairman.

(a) deny

(b) refuse

(c) refrain

(d) refuge

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 clerk asked for my _____.

(a) determination

(b) destiny

(c) destination

(d) designation

Answer: (d)

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. Evening of life

(a) Old age

(b) A party

(c) Holiday

(d) None of these

Answer: (a)

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. Button her lip

(a) Tell us more

(b) Stop talking

(c) Invite us too

(d) Enjoy herself

Answer: (b)

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. Invent cock and bull stories

(a) Delightful fables

(b) Eco-friendly accounts

(c) Absurd and unlikely stories

(d) Credible tales

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. Act of making things like new again.

(a) Innovate

(b) Renovate

(c) Motivate

(d) Activate

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. One who knows everything.

(a) Omniscient

(b) Conscious

(c) Intellectual

(d) Learned

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. Any morbid dread of water.

(a) Hydrofoil

(b) Hydrophobia

(c) Hydraulic

(d) Hyacinth

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.
> In the world today we make health an end in itself. We have forgotten that health really means to enable a person to do his work and do it well. A lot of modern medicine, and this includes many patients as well as many physicians, pay very little attention to health but very much attention to those who imagine they are ill. Our great concern with health is shown by the medical columns in newspapers, the health articles in popular magazines and the popularity of television programmes and all those books on medicine. We talk about health all the time. Yet for the most part the only result is more people with imaginary illness. A healthy man should not be wasting time talking about health : he should be using health for work.

96. Modern medicine is primarily concerned with

(a) promotion of good health

(b) people suffering from imaginary illness

(c) people suffering from real illness

(d) increased efficiency in work

Answer: (b)

97. The passage suggests that

(a) health is an end in itself

(b) health is a blessing

(c) health is only a means to an end

(d) we should not talk about health

Answer: (c)

98. Talking about health all the time makes people
    (a) always suffer from imaginary illness
    (b) sometimes suffer from imaginary illness
    (c) rarely suffer from imaginary illness
    (d) often suffer from imaginary illness

    Answer: (d)

99. The passage tells us
    (a) how medicine should be manufactured
    (b) what a healthy man should or should not do
    (c) what television programmes should be about
    (d) how best to imagine illness

    Answer: (b)

100. A healthy man should be concerned with
    (a) his work which good health makes possible
    (b) looking after his health
    (c) his health which makes work possible
    (d) talking about health

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

General Awareness

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

Quantitative Aptitude

52	**(a)**	55	**(d)**	56	**(c)**	59	**(a)**	60	**(c)**	61	**(c)**	62	**(c)**	63	**(b)**
64	**(d)**	65	**(d)**	66	**(c)**	67	**(a)**	68	**(c)**	69	**(b)**	70	**(b)**	71	**(b)**
74	**(b)**	75	**(c)**												

English Comprehension

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