PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 1 September 2016, Shift 3

SSC CGL · 1 September 2016 · 4:15 PM - 5:30 PM

83 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: 17 (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 1 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-1-1-sep-shift-3/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Book:Pages:∶Wall:?
   (a) SAND
   (b) CEMENT
   (c) BRICKS
   (d) STONES
   Answer: (c)

2. Select the related word/letters/numbers from the given alternatives: LNPQ : ACEF : : TUXY : ?
   (a) IMKL
   (b) IKMO
   (c) IKMN
   (d) PKLR
   Answer: (c)

3. Select the related word/letters/numbers from the given alternatives: 4∶20∶∶8∶ ?
   (a) 74
   (b) 70
   (c) 72
   (d) 78
   Answer: (c)

4. For the following questions Find the odd word/letters/number from the given alternatives. (A) Bud (B) Branch (C) Leaf (D) Plant
   (a) A
   (b) B
   (c) C
   (d) D
   Answer: (d)

5. For the following questions Find the odd word/letters/number from the given alternatives. (A) ABD (B) FGI (C) LMO (D) STU

(a) A

(b) B

(c) C

(d) D

Answer: (d)

6. For the following questions Find the odd word/letters/number pair from the given alternatives. (A) 24-42 (B) 36-63 (C) 37-73 (D) 35-51

(a) A

(b) B

(c) C

(d) D

Answer: (d)

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

(a) 1,4,3,2

(b) 2,1,4,3

(c) 1,3,2,4

(d) 2,3,4,1

Answer: (a)

8. Which one set letters when sequentially placed in the gaps in the given letter series shall complete it? M__OMMN__M__NOMMN__M

(a) O N M O

(b) N O M O

(c) M O N M

(d) N N M O

Answer: (b)

9. Which number will complete the series? 14, 27, 52, 101, 198, ?

(a) 381

(b) 395

(c) 391

(d) 394

Answer: (c)

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?

(a) Son

(b) Daughter

(c) Mother

(d) Father

Answer: (a)

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?

(a) Ramesh

(b) Satish

(c) Navin

(d) Jaya

Answer: (c)

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

(a) NECTAR

(b) CARPET

(c) PAINTER

(d) REPENT

Answer: (c)

13. If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?

(a) EDRIRL

(b) ESJFME

(c) DCQHQK

(d) DEQJQM

Answer: (a)

14. If A denotes −, C denotes ×, D denotes ÷ de[illegible]es +, then 14C3A12E4D2= ?

(a) 6

(b) 17

(c) 28

(d) 32

Answer: (d)

15. If 879= 8, 625= 1, 586= 9, then 785 = ?

(a) 6

(b) 7

(c) 8

(d) 9

Answer: (a)

16. Find the missing number from the given alternatives:

(a) 54

(b) 44

(c) 34

(d) 26

Answer: (b)

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?

(a) 10 Km

(b) 8 Km

(c) 12 Km

(d) 2 Km

Answer: (d)

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.

(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 follows

Answer: (a)

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'.

(a) 42,69,14,98

(b) 00,55,33,57

(c) 21,67,30,86

(d) 42,78,43,58

Answer: (a)

General Awareness

26. Which is the heaviest metal among the following?

(a) Gold

(b) Silver

(c) Iron

(d) Copper

Answer: (a)

27. Which of the following uses the spawn mechanism to duplicate itself ?

(a) Trojan horse

(b) Worm

(c) Keystroke logger

(d) Logic bomb

Answer: (b)

28. Sun appears red in colour at sunrise and sunset due to
    (a) the fact that sun emits only red colour at that time
    (b) red light having longer wave length scatters away
    (c) that sun comes out of the mountains
    (d) that all other colours scatter away except red

    Answer: (d)

29. What is the main purpose of white blood corpuscles?
    (a) to carry nutrients
    (b) to combat infection
    (c) to carry oxygen
    (d) to give strength

    Answer: (b)

30. The layer where the decrease in temperature with increasing altitude is totally absent is
    (a) Troposphere
    (b) Ionosphere
    (c) Stratosphere
    (d) Mesosphere

    Answer: (c)

31. At hill stations, the boiling point of water will be
    (a) same as at sea level
    (b) less than that at sea level
    (c) more than that at sea level
    (d) equal to the melting point of ice

    Answer: (b)

32. Gandhiji's 'Satyagraha' meant an attachment to the following two elements
    (a) Knowledge and religion
    (b) Truth and non-violence
    (c) Truth and chastity
    (d) Love of motherland and hate for colonial masters

    Answer: (b)

33. What do you mean by 'Density of Population'?
    (a) Ratio of people living below poverty line to total population
    (b) Number of persons live per square kilometre
    (c) Number of persons in a city
    (d) Number of persons living per kilometre

    Answer: (b)

34. Which of the following is not a feature of a capitalist economy?
    (a) Right to private property
    (b) Existence of competition
    (c) Service motive
    (d) Freedom of choice to consumers

    Answer: (c)

35. Sunita Williams is a
    (a) Astronaut
    (b) Missile scientist
    (c) Nuclear scientist
    (d) Astro physicist

    Answer: (a)

36. Who is the writer of the famous book 'Kabuliwala'?
    (a) Bankim Chandra Chatterjee
    (b) Ravindra Nath Tagore
    (c) Munshi Prem Chand
    (d) Khan Abdul Gaffar Khan

    Answer: (b)

37. The term 'bully' is connected with which sport ?
    (a) Cricket
    (b) Hockey
    (c) Badminton
    (d) Tennis

    Answer: (b)

38. Who amongst the following Wrestlers has been the recipient of the Rajiv Gandhi Khel Ratna Award?
    (a) Vijender Singh
    (b) Sushil Kumar
    (c) Anand Kumar Singh
    (d) Zoravar Singh Faujdar

    Answer: (b)

39. Siderosis is a disease caused by the inhalation of
    (a) silica dust
    (b) iron dust
    (c) zinc dust
    (d) coal dust

    Answer: (b)

40. The term "Doab" means
    (a) a land between two mountains
    (b) a land between two lakes
    (c) a land between two rivers
    (d) a land between two seas

    Answer: (c)

41. Which of the following is used as anaesthetics?
    (a) N2
    (b) N2O
    (c) CH4
    (d) CO2

    Answer: (b)

42. Clove is obtained from
    (a) Root
    (b) Stem
    (c) Leaves
    (d) Flower buds

    Answer: (d)

43. What is Dakshin Gangotri ?
    (a) River valley in Andhra Pradesh
    (b) Unmanned station located in Antarctica
    (c) Second source of River Ganga
    (d) Island in the Indian Ocean

    Answer: (b)

44. Japan is called the 'Land of the rising sun' because
    (a) Sun rises there as soon as it sets
    (b) Sun always remains in the eastern part of the sky throughout the day in Japan
    (c) Japan being the Eastern most country in the world, it has the earliest sunrise
    (d) The rays of the sun get reflected from the waters of the sea and make the sunrise beautiful in Japan

    Answer: (c)

45. Who was the first Englishman to appear in the Mughal Court during Jahangir's reign?
    (a) Paul Canning
    (b) Captain William Hawkins
    (c) William Edward
    (d) Ralph Fitch

    Answer: (b)

46. The' Narmada Water Dispute Tribunal' was constituted to resolve the water sharing between
    (a) Gujarat and Rajasthan
    (b) Gujarat and Maharashtra
    (c) Gujarat, Maharashtra, Rajasthan and Madhya Pradesh
    (d) Gujarat and Daman and Diu

    Answer: (c)

47. In which way the President can assign any of the functions of the Union Government to the State Government ?
    (a) In his discretion
    (b) In consultation with the Chief Justice of India
    (c) In consultation with the Government of the State
    (d) In consultation with the State Governor

    Answer: (c)

48. Where is the Indian National Rail Museum situated?
    (a) Delhi
    (b) Uttar Pradesh
    (c) Punjab
    (d) Himachal Pradesh

    Answer: (a)

49. Which of the following is not true about Ajanta C[illegible]s?
    (a) They are in Maharashtra
    (b) They are decorated with Buddhist A[illegible]
    (c) They depict the techniques used in Ancie[illegible]ndia
    (d) They do not contain paintings of flora and fauna

    Answer: (c)

50. Who was the founder of Arya Samaj?
    (a) Acharya Narendra Dev
    (b) Dayanand Saraswati
    (c) Raja Ram Mohan Roy
    (d) Acharya Vinoba Bhave

    Answer: (b)

Quantitative Aptitude

51. A, B and C can work together for Rs. 550/- A and B together are to do 7/11 of the work. The share of C should be?
    (a) Rs. 200
    (b) Rs. 300
    (c) Rs. 400
    (d) Rs. 450

    Answer: (a)

52. In Δ 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?

(a) 3 cm

(b) 7 cm

(c) 9 cm

(d) 5 cm

Answer: (d)

53. The price of a chair is Rs. 500. It has been sold at two succesive discounts of 10% each. What is its selling price?

(a) Rs. 400

(b) Rs. 405

(c) Rs. 415

(d) Rs. 425

Answer: (b)

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?

(a) Rs. 60

(b) Rs. 51

(c) Rs. 55.50

(d) Rs. 70

Answer: (a)

55. In a Village panchayat society 574 nam[illegible]re e[illegible]ted as 'below poverty level'. If 14% of the villagers are below poverty level, the total nu[illegible] villagers is?

(a) 4100

(b) 4200

(c) 4000

(d) 3800

Answer: (a)

56. A train 240 meters in length crosses a telegraph post in 16 seconds. The speed of the train is?

(a) 50 Km/hr

(b) 52 Km/hr

(c) 54 Km/hr

(d) 56 Km/hr

Answer: (c)

57. If a2+1 = a, then the value of a3 is

(a) 0

(b) 1

(c) -1

(d) 2

Answer: (c)

59. From an external point two tangents to a circle are drawn. The chord passing through the points of contact subtends an angle72° at the centre. The angle between the tangents is?

(a) 36°

(b) 72°

(c) 108°

(d) 144°

Answer: (c)

60. Length of three line segments isgiven. Is construction of a triangle possible with the segments in the given cases?

(a) 8 cm, 7 cm, 18 cm

(b) 8 cm, 15 cm, 17 cm

(c) 10 cm, 6 cm, 4 cm

(d) 8 cm, 10 cm, 20 cm

Answer: (b)

62. A man has some hens and some cows. If the total number of heads of hens and cows together is 50 and the nunber of feet of hens and cows together is 142, then the number of cows is

(a) 21

(b) 25

(c) 27

(d) 29

Answer: (a)

65. If (a+b-6)2 + a2+b2+1+2b = 2ab+2a, th the ue of a is

(a) 7

(b) 6

(c) 3.5

(d) 2.5

Answer: (c)

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

(a) 15 cm

(b) 16 cm

(c) 30 cm

(d) 34 cm

Answer: (c)

67. The least six digit number which is a perfect square is

(a) 100489

(b) 100000

(c) 100256

(d) 100225

Answer: (a)

68. The percentage change of a number when it is first decreased by 10% and then increased by 10% is

(a) 0.1 % increase

(b) 1 % decrease

(c) 0.1 % decrease

(d) No changes

Answer: (b)

70. If 2y cosθ = x sinθ and 2x secθ - y cosecθ = 3 then what is the value of x2 + 4y2 ?

(a) 4

(b) 1

(c) 2

(d) 5

Answer: (a)

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?

(a) 6%

(b) 7%

(c) 8%

(d) 9%

Answer: (c)

72. 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.
From this diagram, the ratio of sum of wheat and sugar production to difference in production of rice and tea is

(a) 4:5

(b) 5:4

(c) 6:1

(d) 1:6

Answer: (a)

74. 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.
The Central angle of Wheat % is

(a) 48°

(b) 98°

(c) 110°

(d) 108°

Answer: (d)

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.
The total production of Rice, Wheat, sugar and Tea (In Kgs) is 500000 Kgs. The production of Rice in the country is

(a) 175000 Kg

(b) 395000 kg

(c) 275000 Kg

(d) 27500 Kg

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. CONTRABAND

(a) BURGLED

(b) SMUGGLED

(c) BAFFLED

(d) JUGGLED

Answer: (b)

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. LENIENT

(a) STRICT

(b) SOLID

(c) FORGIVING

(d) STOIC

Answer: (a)

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) Scarety

(b) Scarcity

(c) Scarsity

(d) Scarecity

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. He was(A) / very kind enough (B) / to invite me (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. Police reports claim that (A) / substantial seizure of cocaine have been made(B) / in the last two months.(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. Every conceivable race and nationality(A) / had its shared of suffering(B) / in the world wars (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. She _____ him angrily because he made the floor dirty with his muddy shoes.

(a) scold

(b) scolds

(c) scolded

(d) scolding

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. He walked along the road wondering what _____ happened and where all the people had gone.

(a) had

(b) has

(c) have

(d) it

Answer: (a)

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 criminal was _____ lest he should escape.

(a) fetid

(b) fettered

(c) fettled

(d) feted

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. Drive home

(a) Find one's roots

(b) Emphasise

(c) Refer

(d) Draw

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. To end in smoke

(a) End without any practical result

(b) End with positive result

(c) Die in a burning house

(d) Risk everything in a single venture

Answer: (a)

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. A left handed compliment

(a) A subtle rebuke

(b) Wholesome praise

(c) An ambiguous compliment

(d) A mild compliment

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. Experts who scientifically study insects

(a) Gerontologists

(b) Pathologists

(c) Entomologists

(d) Ornithologists

Answer: (c)

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 pretends to be what he is not

(a) Hypocrite

(b) Pessimist

(c) Optimist

(d) Infallible

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 paper/story/poem first written out by hand

(a) Handicraft

(b) Manuscript

(c) Handiwork

(d) Thesis

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. Some languages are used by a few people. Others, such as Mandarin Chinese and English, are spoken by millions. Many people speak two or more languages. They may use one language at home with family and friends, and another at work or school. Regional variations of language are known as dialects. The Anglo-Saxons, who conquered Britain at the end of the Roman Empire, spoke a Germanic language, which later became English. Other Germanic languages include Danish, Dutch, German and Swedish. English also contains French-derived words after it was ruled by French-speaking kings following the Norman Conquest.

96. Mandarin Chinese is spoken by _____people.

(a) little

(b) few

(c) many

(d) big

Answer: (c)

97. A person who is good at foreign languages is known as

(a) Virtuoso

(b) Linguist

(c) Ventriloquist

(d) Scholar

Answer: (b)

98. _____are regional variations of a language
    (a) English
    (b) Mandarin Chinese
    (c) Home language
    (d) Dialects
    Answer: (d)

99. English also included French words _____ the Norman Conquest
    (a) after
    (b) prior
    (c) before
    (d) during
    Answer: (a)

100. _____ is part of a Germanic language.
    (a) Britain
    (b) Anglo-Saxons
    (c) English
    (d) Roman Empire
    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	**(c)**	2	**(c)**	3	**(c)**	4	**(d)**	5	**(d)**	6	**(d)**	7	**(a)**	8	**(b)**
9	**(c)**	10	**(a)**	11	**(c)**	12	**(c)**	13	**(a)**	14	**(d)**	15	**(a)**	16	**(b)**
17	**(d)**	18	**(a)**	25	**(a)**										

General Awareness

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

Quantitative Aptitude

51	**(a)**	52	**(d)**	53	**(b)**	54	**(a)**	55	**(a)**	56	**(c)**	57	**(c)**	59	**(c)**
60	**(b)**	62	**(a)**	65	**(c)**	66	**(c)**	67	**(a)**	68	**(b)**	70	**(a)**	71	**(c)**
72	**(a)**	74	**(d)**	75	**(c)**										

English Comprehension

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