PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 7 September 2016, Shift 2

SSC CGL · 7 September 2016 · 1:15 PM - 2:30 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 7 September 2016, 1:15 PM - 2:30 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-1-7-sep-shift-2/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Pesticide : Plant :: ? : ?
   (a) Medicine : Cure
   (b) Injection : Fever
   (c) Vaccination : Baby
   (d) Sinarest : Cold
   Answer: (c)

2. Select the related word/letters/numbers from the given alternatives: Select the related letter/word/number from the given alternatives. ZXVT : ACEG :: SQOM :?
   (a) FHJL
   (b) HJLN
   (c) JLMO
   (d) IKMO
   Answer: (b)

3. Select the related word/letters/numbers from the given alternatives: Select the related letters/words/numbers from the given alternatives. 4 : 12 :: 5 : ?
   (a) 25
   (b) 20
   (c) 22
   (d) 30
   Answer: (b)

4. For the following questions Find the odd numbers/letters/numbers from the given alternatives.
   (a) Red
   (b) Brown
   (c) Green
   (d) Yellow
   Answer: (b)

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

(a) FIHG

(b) CGEF

(c) JMLK

(d) VYXW

Answer: (b)

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

(a) 1, 0.75, 0.5, 1.25

(b) 4, 3, 2, 5

(c) 1, 4, 2, 8

(d) 2, 1.5, 1, 2.5

Answer: (c)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
deb, ijg, nol, ? , xyz

(a) stq

(b) rsp

(c) rsq

(d) stp

Answer: (a)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. 5, 10, 13, 26, 29, 58, 61, ?

(a) 122

(b) 125

(c) 128

(d) 64

Answer: (a)

10. A man is engaged for planting trees for 10 hours. He plants 10 trees in an hour. He takes rest for 30 minutes after every hour. How many trees does he plant in 10 hours?

(a) 100

(b) 50

(c) 70

(d) 45

Answer: (c)

11. Golu is son of Bhola. Sheetal is daughter of Golu. Chitra is daughter of Dilip and Dilip is brother of Bhola. How is Chitra related to Sheetal?

(a) Sister

(b) Mother

(c) Aunt

(d) Mother in law

Answer: (c)

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

(a) THOSE

(b) SCENT

(c) PRONE

(d) COTTON

Answer: (c)

13. If in a code language 3456 = ROPE and 15526 = APPLE then 54613 = ?

(a) RPPEO

(b) ROPEA

(c) POEAR

(d) PAREO

Answer: (c)

14. If '+' means 'x' , '-' means '÷' , 'x' means '-' and ÷ means '+' , then what will be the value of 16 ÷ 4 x 10 - 5 + 8 = ?

(a) 12

(b) 8

(c) 4

(d) 2

Answer: (c)

15. Some equations are solved on the basis of certain system. Find the correct answer for the unsolved equation on that basis. 5 x 4 x 3 = 70 , 6 x 5 x 4 = 140 7×6×5=?

(a) 210

(b) 220

(c) 230

(d) 240

Answer: (d)

16. Select the missing numbers from the given alternatives

(a) 65

(b) 54

(c) 72

(d) 110

Answer: (b)

17. Deepu started his journey from A and moves 2 km towards South, then he turns right and moves ½ kilometre. Again he takes a right turn and walks 2 km. Now he takes a left turn and walks 3 km more. How far he is from the starting point?

(a) 3.5 km

(b) 2.5 km

(c) 7.5 km

(d) 1.5 km

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 parrots are chicks. 2. All birds are chicks. Conclusions: I. Some birds are parrots. II. Some chicks are parrots.

(a) Both conclusion I and conclusion II follow

(b) None of the two conclusions follows

(c) Only conclusion I follows

(d) Only conclusion II follows

Answer: (d)

20. The diagram below represents the students who study Physics, Chemistry and Mathematics. Study the diagram and identify the region which represents students who study both Physics and Chemistry but not Mathematics. ?

(a) T + S + U + P

(b) C

(c) R + T + A + U + P + S

(d) T

Answer: (d)

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 3 and that of Matrix II are numbered from 5 to 8. A letter from these matrices can be represented first by its row and next by its column, e.g., E can be represented by 00,11, etc., and 'I' can be represented by 56, 86, etc. Similarly you have to identify the set for the word 'TOLD'

(a) 67, 30, 55, 13

(b) 76, 02, 13, 55

(c) 76, 33, 55, 31

(d) 85, 02, 23, 31

Answer: (c)

General Awareness

26. "The General Equilibrium Analysis" was developed by

(a) Marshall

(b) Ricardo

(c) Walras

(d) Adam Smith

Answer: (c)

27. Insider trading is related to
    (a) Trade sector
    (b) Share market
    (c) Credit market
    (d) Horse racing

    Answer: (b)

28. The operational period of 12th Five Year Plan is
    (a) 2007-12
    (b) 2012-17
    (c) 2015-20
    (d) 2005-10

    Answer: (b)

29. A Unitary form of government is that in which all the powers are concentrated in the hands of
    (a) Local government
    (b) Central government
    (c) Provincial government
    (d) Panchayats

    Answer: (b)

30. The school of Indian art which is also known as the Greco-Roman-Buddhist art is the _____school
    (a) Mauryan
    (b) Shunga
    (c) Gandhara
    (d) Gupta

    Answer: (c)

31. Which of the following Pallava Kings assumed the title of "Vatapikonda" after defeating and slaying the great Chalukyan King Pulekesin II
    (a) Narsingh Varman I
    (b) Mahendra Varman I
    (c) Parameshwar Varman I
    (d) Nandi Varman

    Answer: (a)

32. The land forms formed by wave erosion is
    (a) Spit
    (b) Beach
    (c) Cave
    (d) Barrier island

    Answer: (c)

33. Which one among the following is not an electro-magnetic wave?
    (a) X-Ray
    (b) R-Ray
    (c) Cathode Ray
    (d) Infrared Ray

    Answer: (c)

34. Which one of the following is a good electrical conductor?
    (a) Graphite
    (b) Diamond
    (c) Peat
    (d) Charcoal

    Answer: (a)

35. Growing agricultural crops between rows of planted trees is known as
    (a) Social forestry
    (b) Jhum
    (c) Taungya system
    (d) Agro forestry

    Answer: (c)

36. The Union Government on 22 May 2016 appointed nom as the new Lieutenant Governor of the Union Territory (UT) of Pondicherry
    (a) Kiran Bedi
    (b) Kalyan Singh
    (c) Ram Naik
    (d) Mukul Sangma

    Answer: (a)

37. Sending a frame to a group of stations is known as _____
    (a) Single casting
    (b) Spreading
    (c) Multicasting
    (d) Casting

    Answer: (c)

38. Prince of Wales Cup is associated with_____
    (a) Rugby
    (b) Golf
    (c) Polo
    (d) Chess

    Answer: (b)

39. A drainage pattern where a river is joined by its tributaries approximately at right angles is _____

(a) Dendritic
(b) Trellis
(c) Rectangular
(d) Radial

Answer: (b)

40. Who was the founder of the Indian Reform Association in 1870?

(a) Debendranath Tagore
(b) Keshab Chandra Sen
(c) Rammohan Roy
(d) Dayanand Saraswati

Answer: (b)

41. Which Constitutional Amendment Act deals with the disqualification of MPs and MLAs?

(a) 42nd Amendment Act
(b) 52nd Amendment Act
(c) 62nd Amendment Act
(d) 32nd Amendment Act

Answer: (b)

42. Which of the following increases the rate of heart beat?

(a) Peripheral nerves
(b) Sympathetic nerves
(c) Parasympathetic nerves
(d) Cranial nerves

Answer: (b)

43. The deficiency of Niacin-a vitamin of B complex group causes the disease ____

(a) Marasmus
(b) Pellagra
(c) Rickets
(d) Night-blindness

Answer: (b)

44. The core of the earth is also known as _____

(a) Lithosphere
(b) Mesosphere
(c) Barysphere
(d) Centrosphere

Answer: (c)

45. Iron and manganese present as pollutants in water cannot be removed by_____
    (a) oxidation followed by settling and filtration
    (b) chlorination
    (c) ion exchange process
    (d) lime soda process or manganese zeolite process

    Answer: (b)

46. A pair of contrasting characters controlling the same trait is called
    (a) factors
    (b) loci
    (c) allele
    (d) lineage

    Answer: (c)

47. The antiparticle of an electron is
    (a) Positron
    (b) Proton
    (c) Alpha particles
    (d) Beta particles

    Answer: (a)

48. The polar regions are sparsely populated because
    (a) lack of minerals
    (b) unsuitable climatic conditions
    (c) infertile land
    (d) mountainous topography

    Answer: (b)

49. Algal bloom results from
    (a) Global warming
    (b) Salination
    (c) Eutrophication
    (d) Biomagnification

    Answer: (c)

50. Which of the following pairing is incorrect
    (a) Hygrometer - Water vapour content of the atmosphere
    (b) Lactometer - Specific gravity of liquids
    (c) Anemometer - Speed of the wind
    (d) Seismograph - Earthquakes

    Answer: (b)

Quantitative Aptitude

51. A can do a piece of work in 20 days and B in 15 days. With help of C, they finish the work in 5 days. C can alone do the work in

(a) 5 days

(b) 6 days

(c) 10 days

(d) 12 days

Answer: (d)

52. A spherical lead ball of radius 6 cm is melted and small lead balls of radius 3 mm are made. The total number of possible small lead balls is

(a) 4250

(b) 4000

(c) 8005

(d) 8000

Answer: (d)

53. At what percentage above the cost price must an article be marked so as to gain 33% after allowing a customer a discount of 5%?

(a) 40%

(b) 45%

(c) 35%

(d) 47%

Answer: (a)

54. The four sides of a quadrilateral are in the ratio of 2:3:4:5 and its perimeter is 280m. The length of the longest side is

(a) 100m

(b) 150m

(c) 175m

(d) 180m

Answer: (a)

55. Kamal has some apples. He sold 40% more than he ate. If he sold 70 apples, how many did he eat?

(a) 18

(b) 42

(c) 50

(d) 90

Answer: (c)

56. A train 100 m long is running at a speed of 120 kms/hr. The time taken to pass a person standing near the line is

(a) 1 second

(b) 3 seconds

(c) 5 seconds

(d) 7 seconds

Answer: (b)

58. If a+b=5 and a-b=3, then the value of (a2+b2) is

(a) 17

(b) 18

(c) 19

(d) 20

Answer: (a)

60. The point equidistant from the sides of a triangle is called

(a) Circumcenter

(b) Incentre

(c) Orthocentre

(d) Centroid

Answer: (b)

62. A man buys a table and a chair for Rs. 500. He sells the table at a loss of 10% and the chair at a gain of 10%. He still gains Rs.10 on the whole. The cost price of chair in rupees is

(a) Rs.200

(b) Rs.250

(c) Rs.300

(d) RS.350

Answer: (c)

63. The least number that must be added to 8961 to make it exactly divisible by 84 is

(a) 27

(b) 57

(c) 141

(d) 107

Answer: (a)

64. The average age of a class of 39 students is 15 years. If the age of the teacher is included, then the average increases by 3 months. Find the age of the teacher.

(a) 30

(b) 25

(c) 35

(d) 40

Answer: (b)

69. If 2x+4 - 2x+2 = 3, then the value of 'x' is

(a) 0

(b) 2

(c) -1

(d) -2

Answer: (d)

70. Two persons are on either side of a temple, 75 m high, observe the angle of elevation of the top of the temple to be 30o and 60o respectively. The distance between the persons is

(a) 173.2m

(b) 100m

(c) 157.7m

(d) 273.2m

Answer: (a)

71. If the difference between the compound interest and the simple interest on a certain sum at the rate of 5% per annum for 2 years is Rs. 20, then the sum is

(a) Rs. 2000

(b) Rs. 4000

(c) Rs. 6000

(d) Rs. 8000

Answer: (d)

72. Study the following histogram of marks in mathematics (out of 50) of students in a class and answer the following questions.
If the pass marks in maths is 31, the number of students who failed in maths is

(a) 10

(b) 15

(c) 20

(d) 25

Answer: (b)

73. Study the following histogram of marks in mathematics (out of 50) of students in a class and answer the following questions.
Total number of students in the class is

(a) 120

(b) 125

(c) 130

(d) 135

Answer: (d)

75. Study the following histogram of marks in mathematics (out of 50) of students in a class and answer the following questions.
If the students have got the marks out of 50 and if A+ grade has been declared for above 90%, then the number of students who have got A+ grade is

(a) 10
(b) 20
(c) 30
(d) 40

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. INVIGORATING

(a) VIBRATING
(b) REFRESHING
(c) EXAGGERATED
(d) ACCELERATING

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. EVADE

(a) INVADE
(b) ESCAPE
(c) SHUN
(d) CONFRONT

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) Phenamenon
(b) Phenomenon
(c) Phenominon
(d) Phenomenan

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 is jealous for (A)/my success (B)/and wants to destroy me.(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. The main purpose of the visit (A)/is to develop a close relationship (B)/ among the two countries.(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. I left (A)/no stone unturned(B)/to achieve for my object.(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 cannot conceive of _____ ___ accepting the post.

(a) he

(b) his

(c) him

(d) he'll

Answer: (b)

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. The maestro's son has no taste _____ music.

(a) about

(b) with

(c) in

(d) to

Answer: (c)

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. Rita promised to come but she never turned _____ .

(a) in

(b) out

(c) down

(d) up

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. Weal and woe

(a) Friends and enemies

(b) Be in danger

(c) Adversity

(d) Good times and bad times

Answer: (d)

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. Call in question

(a) Summon as a witness

(b) Doubtful

(c) Prove a theory

(d) Challenge

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. Make both ends meet

(a) Live within means

(b) Achieve a solution

(c) Live among people

(d) End of the road

Answer: (a)

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 drug which makes one see things that are not really there.

(a) Aphrodisiac

(b) Steroid

(c) Carcinogen

(d) Hallucinogen

Answer: (d)

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. Providing relief

(a) Reissue

(b) Reprieve

(c) Rejoinder

(d) Refuge

Answer: (b)

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. The philosophy of putting another's welfare above one's own.

(a) Agnosticism

(b) Polytheism

(c) Altruism

(d) Iconoclasm

Answer: (c)

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. Learning is the knowledge of that which is not generally known to others, and which we can only derive at second-hand from books or other artificial sources. The knowledge of that which is before us, or about us, which appeals to our experience, passions, and pursuits, to the bosoms and businesses of men, is not learning. Learning is the knowledge of that which none but the learned know. He is the most learned man who knows the most of what is farthest removed from common life and actual observation. The learned man prides himself in the knowledge of names, and dates, not of men or things. He thinks and cares nothing about his nextdoor neighbours, but he is deeply read in the tribes and castes of the Hindoos and Calmuc Tartars. He can hardly find his way into the next street, though he is acquainted with the exact dimensions of Constantinople and Peking. He does not know whether his oldest acquaintance is a knave or a fool, but he can pronounce a pompous lecture on all the principal characters in history. He cannot tell whether an object is black or white, round or square, and yet he is a professed master of the optics and the rule of perspective.

96. Learning is defined as

(a) the knowledge of that which is before us

(b) the knowledge about us

(c) the knowledge of that which is not generally known to others

(d) the knowledge related to the businesses of men

Answer: (c)

97. The most learned man is he who

(a) knows about all the principal characters in history

(b) sees not with the eyes of others

(c) is acquainted with the streets of Constantinople and Peking

(d) knows the most of what is farthest removed from common life and actual observation.

Answer: (d)

98. A learned man, as described in the passage,

(a) cares about men and things

(b) does not care about men and things

(c) cares about the shapes of objects.

(d) cares about his neighbours

Answer: (b)

99. The passage suggests that a learned man
    (a) understands his neighbours
    (b) does not know his old acquaintances
    (c) is not concerned about names and dates
    (d) is interested in travelling

    Answer: (b)

100. The given passage implies that
    (a) knowledge of the learned is exclusive to them
    (b) a learned man cannot deliver lectures
    (c) a learned man is not interested in Calmuc Tartars
    (d) a learned man is not aware of the optics and the rules of perspective

    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	**(c)**	2	**(b)**	3	**(b)**	4	**(b)**	5	**(b)**	6	**(c)**	8	**(a)**	9	**(a)**
10	**(c)**	11	**(c)**	12	**(c)**	13	**(c)**	14	**(c)**	15	**(d)**	16	**(b)**	17	**(a)**
18	**(d)**	20	**(d)**	25	**(c)**										

General Awareness

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

Quantitative Aptitude

51	**(d)**	52	**(d)**	53	**(a)**	54	**(a)**	55	**(c)**	56	**(b)**	58	**(a)**	60	**(b)**
62	**(c)**	63	**(a)**	64	**(b)**	69	**(d)**	70	**(a)**	71	**(d)**	72	**(b)**	73	**(d)**
75	**(a)**														

English Comprehension

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