

PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 7 September 2016, Shift 1

SSC CGL · 7 September 2016 · 10:00 AM - 11:15 AM

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 7 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-1-7-sep-shift-1/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Bacteria : Microscope :: Moon : ?

- (a) Night
- (b) Earth
- (c) Satellite
- (d) Telescope

Answer: (d)

2. Select the related word/letters/number from the given alternatives. LNPR : TVXZ : NPRT : ?

- (a) FHJL
- (b) FLJH
- (c) HFLJ
- (d) JLHF

Answer: (a)

3. Select the related word/letters/number from the given alternatives. 27 : 125 : 64 : ?

- (a) 517
- (b) 162
- (c) 216
- (d) 273

Answer: (c)

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

- (a) Novel
- (b) Paper
- (c) Pencil
- (d) Pen

Answer: (a)

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

- (a) acDD
- (b) egHH
- (c) ikLL
- (d) QSTt

Answer: (d)

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

- (a) 65 - 90
- (b) 73 - 97
- (c) 112 - 137
- (d) 162 - 187

Answer: (b)

7. Arrange the following words as per order in the dictionary a. Guarantee b. Group c. Grotesque d. Guard e. Groan

- (a) a, c, e, b, d
- (b) b, e, a, d, c
- (c) b, c, e, a, d
- (d) e, c, b, a, d

Answer: (d)

8. Which one set of letters when sequentially placed in the gaps in the given letter series shall complete it? xy_kx_zk_yzk xyz_ _

- (a) zyxxkx
- (b) zyxkxz
- (c) zkxyk
- (d) zxykx

Answer: (a)

9. Find the missing number in the series: 219, 211, 204, 198, ?, 189

- (a) 189
- (b) 192
- (c) 193
- (d) 196

Answer: (c)

10. If M is the sister of Z, Z is the wife of P and P is the son of A, how Z relates to A?

- (a) Daughter-in-law
- (b) Daughter
- (c) Wife
- (d) Mother

Answer: (a)

11. The sum of ages of 4 children born at intervals of 4 years each is 60. What is the age of the youngest child?

- (a) 7
- (b) 9
- (c) 10
- (d) 12

Answer: (b)

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

- (a) OINTMENT
- (b) MENTOR
- (c) VENOM
- (d) TRIM

Answer: (a)

13. In a certain code CAMEL is written as MFNBD. How shall TIGER be written in that code?

- (a) SFUJH
- (b) SFHJU
- (c) SFJUH
- (d) SHFJU

Answer: (b)

14. If x stands for $-$, $+$ means $\times$, $\div$ means $+$ and $-$ means $\div$, then what is the value of the given expression? $175 - 25 \div 5 + 2 \times 3 + 10 = ?$

- (a) 77
- (b) 160
- (c) 240
- (d) 2370

Answer: (a)

15. If $4 * 2 = 3$ and $8 * 4 = 3$, then $21 * 7 = ?$

- (a) 4
- (b) 3
- (c) 8
- (d) 16

Answer: (a)

16. Select the missing numbers from the given alternatives

- (a) 9
- (b) 16
- (c) 25
- (d) 36

Answer: (a)

17. A man walks 5 kilometre towards South and then turns to the right. After walking 3 kilometre, he turns to the left and walks 5 kilometre. Now in which direction is he from the starting point?

- (a) West
- (b) South
- (c) North-East
- (d) South-West

Answer: (d)

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: Life means stresses and strains. Stresses and strains have an adverse effect on life. Conclusions: I. Life is not worth living. II. One should avoid stresses and strains in life.

- (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: (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., 'G' can be represented by 01 and 'P' can be represented by 10, 44, etc. Similarly you have to identify the set for the word 'BARK'

- (a) 32, 55, 69, 24
- (b) 32, 03, 66, 57
- (c) 67, 42, 66, 00
- (d) 23, 30, 66, 97

Answer: (c)

General Awareness

26. What is the maximum number of days of employment a rural poor would get under 'MGNREGA'?

- (a) 180 days
- (b) 120 days
- (c) 100 days
- (d) 90 days

Answer: (c)

27. Scheduled bank is a bank which is

- (a) Nationalised
- (b) Not Nationalised
- (c) Based in foreign Country
- (d) Included in the second schedule of RBI

Answer: (d)

28. Black soil is also known by which of the following name ?

- (a) Khadar Soil
- (b) Bangar Soil
- (c) Alluvial Soil
- (d) Regur soil

Answer: (d)

29. What is the name of the book written by Panini ?

- (a) Mahabhashya
- (b) Mitakshara
- (c) Madhyamika Karika
- (d) Ashtadhyayi

Answer: (d)

30. Which dynasty was started by Khizr Khan ?

- (a) The Sayyids
- (b) The Lodhis
- (c) The Rajputs
- (d) The Khiljis

Answer: (a)

31. The instrument used for measuring air pressure is called

- (a) Anemometer
- (b) Barometer
- (c) Hygrometer
- (d) Thermometer

Answer: (b)

32. Gustation refers to the sense of which of the following ?

- (a) Smell
- (b) Hearing
- (c) Tactile
- (d) Taste

Answer: (d)

33. Intensity of any wave is proportional to which of the following?

- (a) amplitude
- (b) Square of amplitude
- (c) Square root of amplitude
- (d) Cube of amplitude

Answer: (b)

34. In the following list of devices which device is used in network layer?

- (a) Repeaters
- (b) Router
- (c) Application Gateway
- (d) Switch

Answer: (b)

35. NTPC is a Central Public Sector Enterprise in which sector?

- (a) Education
- (b) Health
- (c) Power
- (d) Transport

Answer: (c)

36. Which State government has launched the Smart Village Programme, to improve public facilities in village?

- (a) Maharashtra
- (b) Rajasthan
- (c) Odisha
- (d) Gujarat

Answer: (d)

37. Rodrigo "Digong" Duterte emerged winner in 2016 presidential elections of which country ?

- (a) Mexico
- (b) The Philippines
- (c) Spain
- (d) Singapore

Answer: (b)

38. What is commonly known as 'white plague'?

- (a) Typhoid
- (b) Malaria
- (c) Tuberculosis
- (d) Plague

Answer: (c)

39. What are gilt-edged securities?

- (a) Securities issued by the multinational companies.
- (b) Securities issued by the Government
- (c) Securities issued by the private sector
- (d) Securities issued by the joint venture companies

Answer: (b)

40. In whose consultation does the President convene and prorogue all sessions of Parliament ?

- (a) The Speaker
- (b) The Prime Minister
- (c) The Prime Minister and the leader of the opposition in Lok Sabha
- (d) The Council of Ministers

Answer: (b)

41. With which religion is Kaivalya associated?

- (a) Buddhism
- (b) Jainism
- (c) Hinduism
- (d) Sikhism

Answer: (b)

42. Bauxite is used as raw material by which industry

- (a) Aluminium
- (b) Iron
- (c) Steel
- (d) Gold

Answer: (a)

43. The large collection of stars, dust and gas held together by gravitational attraction between components is known as

- (a) Cluster
- (b) Atmosphere
- (c) Galaxy
- (d) Sun Family

Answer: (c)

44. Thermal electricity is generated by using which of these ?

- (a) Coal only
- (b) Coal and Natural Gas only
- (c) Coal, Natural Gas and Petroleum
- (d) None of these

Answer: (c)

45. When iron rusts, its weight

- (a) decreases
- (b) increases
- (c) remains the same
- (d) first increases and then decreases

Answer: (b)

46. The driest location on Earth is in which country?

- (a) Kenya
- (b) Chile
- (c) Congo
- (d) Libya

Answer: (b)

47. Which leader of British Labour Party was recently elected the first Muslim Mayor of London?

- (a) Sadiq Khan
- (b) Ataulah Khan
- (c) Firdauz Zaidi
- (d) Karim Shaikh

Answer: (a)

48. Lady Ratan Tata Trophy' is related to which game?

- (a) Basketball
- (b) Hockey
- (c) Kho-Kho
- (d) Cricket

Answer: (b)

49. Which instrument is used for measuring humidity in atmosphere?

- (a) Barometer
- (b) Anemometer
- (c) Thermometer
- (d) Hygrometer

Answer: (d)

50. Pankaj Advani is associated with which sport?

- (a) Billiards
- (b) Boxing
- (c) Cricket
- (d) Badminton

Answer: (a)

| Quantitative Aptitude

51. Find the least number which must be subtracted from 18265 to make it a perfect square

- (a) 30
- (b) 38
- (c) 40
- (d) 45

Answer: (c)

52. A and B together can do a piece of work in 36 days, B and C together can do it in 24 days. A and C together can do it in 18 days. The three working together can finish the work in

- (a) 8 days
- (b) 16 days
- (c) 30 days
- (d) 32 days

Answer: (b)

53. Two adjacent sides of a parallelogram are 21 cms and 20 cms. The diagonal joining the end points of these two sides is 29 cms. The area of the parallelogram (in sq.cms) is

- (a) 240
- (b) 120
- (c) 210
- (d) 420

Answer: (d)

54. A dealer marks his goods 20% above cost price. He then allows some discount on it and makes a profit of 8%. The rate of discount is

- (a) 4%
- (b) 6%
- (c) 10%
- (d) 12%

Answer: (c)

55. Sum of two numbers is thrice their difference. Their ratio is

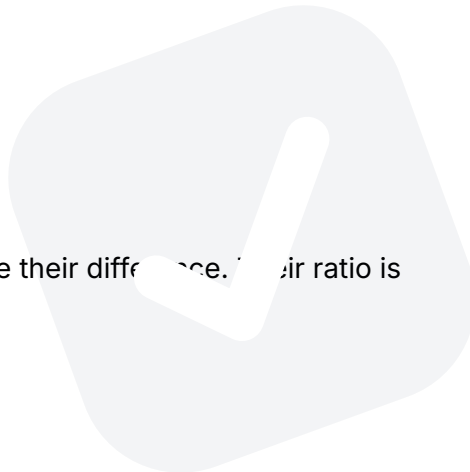
- (a) 1:2
- (b) 2:1
- (c) 3:1
- (d) 1:3

Answer: (b)

56. The average age of 36 students in a group is 14 years. When the teacher's age is included in it, the average increases by one. The teacher's age in years is

- (a) 31
- (b) 51
- (c) 36
- (d) 50

Answer: (b)



59. Speed of a boat along and against the current are 14 kms/hr and 8 kms/hr respectively. The speed of the current is

- (a) 11 kms/hr
- (b) 6 kms/hr
- (c) 5.5 kms/hr
- (d) 3 kms/hr

Answer: (d)

60. If the simple interest on Rs. 1 for 1 month is 1 paisa, then the rate percent per annum will be

- (a) 10%
- (b) 8%
- (c) 12%
- (d) 6%

Answer: (c)

61. If $a/b + b/a = 1$, then the value of $a^3 + b^3$ will be

- (a) 1
- (b) 0
- (c) -1
- (d) 2

Answer: (b)

62. If $p = 99$, then the value of $p(p^2 + 3p + 3)$ will be

- (a) 999999
- (b) 1000000
- (c) 1000001
- (d) 999998

Answer: (a)

63. If $a-b=1$ and $a^3-b^3 = 61$, then the value of ab will be

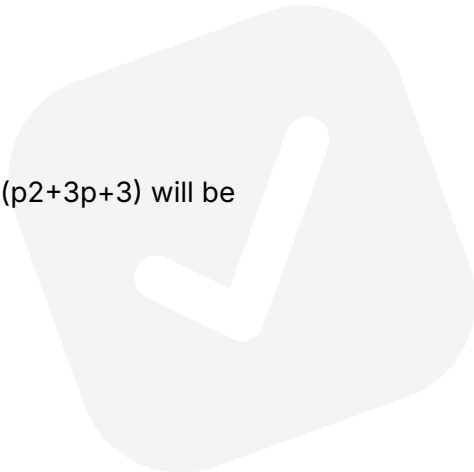
- (a) -20
- (b) 20
- (c) 30
- (d) 60

Answer: (b)

65. The point where the 3 medians of a triangle meet is called

- (a) centroid
- (b) Incentre
- (c) Circumcentre
- (d) orthocentre

Answer: (a)



66. ΔABC a right angled triangle has $\angle B = 90^\circ$ and AC is hypotenuse. D is its circumcentre and $AB = 3$ cms, $BC = 4$ cms. The value of BD is

- (a) 3cms
- (b) 4 cms
- (c) 2.5 cms
- (d) 5.5 cms

Answer: (c)

67. ΔABC is an equilateral triangle and D, E are midpoints of AB and BC respectively. Then the area of ΔABC : the area of the trapezium $ADEC$ is

- (a) 5:3
- (b) 4:1
- (c) 8:5
- (d) 4:3

Answer: (d)

70. If $x = a \cos \theta \cos \Phi$, $y = a \cos \theta \sin \Phi$ and $z = a \sin \theta$, then the value of $x^2 + y^2 + z^2$ is

- (a) $2a^2$
- (b) $4a^2$
- (c) $9a^2$
- (d) a^2

Answer: (d)

72. The following pie chart shows proportion of population of seven villages in 2009. Study the pie chart and answer the questions that follow

If the below poverty line population of the village 'S' is 12160, then the population of village 'S' is

- (a) 18500
- (b) 20500
- (c) 22000
- (d) 20000

Answer: (c)

73. The following pie chart shows proportion of population of seven villages in 2009. Study the pie chart and answer the questions that follows :

The ratio of the below poverty line population of village 'T' to that of the below poverty line population of village 'Z' is

- (a) 11:23
- (b) 13:11
- (c) 23:11
- (d) 11:13

Answer: (c)

74. The following pie chart shows proportion of population of seven villages in 2009. Study the pie chart and answer the questions that follows :

If the population of the village 'R' is 32000, then the below poverty line population of village 'Y' is

- (a) 14100
- (b) 15600
- (c) 16500
- (d) 17000

Answer: (b)

75. The following pie chart shows proportion of population of seven villages in 2009. Study the pie chart and answer the questions that follows :

In 2010, the population of 'Y' and 'V' increases by 10% each and the percentage of population below poverty line remains unchanged for all the villages. If in 2009, the population of village Y was 30,000, then the below poverty line population of village 'V' in 2010 is ____

- (a) 11250
- (b) 12760
- (c) 13140
- (d) 13780

Answer: (b)

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. PALLID

- (a) FRIENDLY
- (b) PALE
- (c) WORTHLESS
- (d) COMFORTING

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. INTANGIBLE

- (a) ETHEREAL
- (b) CONCRETE
- (c) INSUBSTANTIAL
- (d) ABSTRACT

Answer: (b)

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) Pontifical
- (b) Pontiffical
- (c) Pontifecal
- (d) Pontificol

Answer: (a)

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 always enjoy (A)/ to read (B)/ books (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. Variety (A)/ is (B)/ spice of life (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. Neither of the scout leaders know (A)/ how to trap wild animals (B)/ or how to prepare them for mounting (C)/ No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (a)

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 can _____ see anything in the dim light.

- (a) badly
- (b) scarcely
- (c) fairly
- (d) rather

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. Few countries can _____ India in variety, colour and the richness of dance forms.

- (a) compare
- (b) rival
- (c) perform
- (d) prevail

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 scheme allows students from different countries to communicate _____.

- (a) each other
- (b) with each others
- (c) themselves
- (d) with one another

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.
Straw in the wind

- (a) A light-weight object
- (b) A lucky charm
- (c) A game that kids play
- (d) An indication of what might happen

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.
Face the music

- (a) Be applauded
- (b) Be ridiculed
- (c) Be punished
- (d) Be dismissed

Answer: (c)

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.
Curry favour

- (a) Seek impartial judgement
- (b) Seek favourable attention
- (c) Prepare a dish
- (d) Attract attention

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. A brief or short stay at a place

- (a) Solitude
- (b) Soiree
- (c) Sojourn
- (d) Solistice

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. That which can be believed

- (a) Miraculous
- (b) Creditable
- (c) Credible
- (d) Gullible

Answer: (c)

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. One who is indifferent to pain or pleasure

- (a) Eccentric
- (b) Philosopher
- (c) Fatalist
- (d) Stoic

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. Another marvel on the far side of the lake was a little farm that felt like a secret in the city. Some of the gaunt Karnataka labourers even looked away when children came to dig and eat. But the greatest pleasure, this side of the lake, was the jamun tree. A few months back, Kalu and Sunil had a feast in the branches, shaking down a few berries for Mirchi. That was when they came to know the second-coolest thing about the jamun tree : There were parrots nesting in it. Since then, some other road boys had been capturing the parrots one by one to sell at the Marol Market, but Sunil had brought Kalu around to the belief that the birds should be left as they were. Sunil listened for their squawks each morning, to make sure they hadn't been abducted in the night. Kalu's expertise was in the recycling bins inside airline catering compounds. Private waste collectors emptied these dumpsters on a regular basis, but Kalu had mastered the trash truck's schedules. The night before pickup, Kalu would climb over the barbed-wire fences and raid the overflowing bins. Kalu's routine had become known by the local police, however. He kept getting caught, until some constables proposed a different arrangement. Kalu could keep his metal scrap if he'd pass on information he picked up on the road about local drug dealers.

96. What was the greatest pleasure this side of the lake?

- (a) A secret farm
- (b) The Jamun tree
- (c) Feasting on the branches of the Jamun tree
- (d) Labourers looking away when the children came to dig and eat

Answer: (b)

97. What was the second coolest thing about the Jamun tree?

- (a) Shaking down the berries for Mirchi
- (b) There were parrots nesting in the tree
- (c) Selling parrots in the Marol Market
- (d) Capturing parrots in the tree

Answer: (b)

98. What did Sunil think of parrots?

- (a) That they should be captured and sold.
- (b) That they had been abducted in the night.
- (c) That they should not be captured and sold.
- (d) That they squawked every morning.

Answer: (c)

99. How did Kalu manage to raid the airline recycling bins before they were emptied?

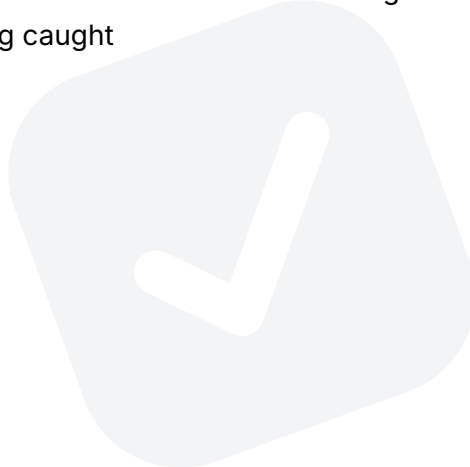
- (a) He was an expert
- (b) He jumped over the barbed wire fences.
- (c) He had mastered the trash trucks schedules.
- (d) He worked at night

Answer: (c)

100. Why was a different arrangement proposed?

- (a) Because Kalu's routine was known by the police
- (b) So that Kalu would be able to keep his metal scrap.
- (c) So that Kalu could pass on information about local drug dealers
- (d) Because Kalu kept getting caught

Answer: (d)



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

General Awareness

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

Quantitative Aptitude

51	(c)	52	(b)	53	(d)	54	(c)	55	(b)	56	(b)	59	(d)	60	(c)
61	(b)	62	(a)	63	(b)	65	(a)	66	(c)	67	(d)	70	(d)	72	(c)
73	(c)	74	(b)	75	(b)										

English Comprehension

76	(b)	77	(b)	78	(a)	79	(b)	80	(c)	81	(a)	82	(b)	83	(b)
84	(d)	85	(d)	86	(c)	87	(b)	88	(c)	89	(c)	90	(d)	96	(b)
97	(b)	98	(c)	99	(c)	100									