PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 27 August 2016, Shift 1

SSC CGL · 27 August 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 27 August 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-1-27-aug-shift-1/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Donkey : Brays :: Monkey : ?
   (a) Chatters
   (b) Trumpets
   (c) Bellows
   (d) Grunts
   Answer: (a)

2. Select the related word/letters/number from the given alternatives. ABDE : FGIJ :: IJLM : ?
   (a) NOQR
   (b) NOPQ
   (c) NMOP
   (d) NPQR
   Answer: (a)

3. Select the related word/letters/number from the given alternatives. 1 : 8 :: ? :64
   (a) 25
   (b) 36
   (c) 30
   (d) 27
   Answer: (d)

4. For the following questions Find the odd word/letters/number pair from the given alternatives.
   (a) Swimming
   (b) Sailing
   (c) Diving
   (d) Driving
   Answer: (d)

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

(a) RGTF

(b) MLOK

(c) CTES

(d) VDZC

Answer: (d)

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

(a) 443

(b) 633

(c) 821

(d) 245

Answer: (b)

7. Arrange the following words as per order in the dictionary
1. Dyke 2. Dwindle 3. Dwell 4. Dye

(a) 3,2,4,1

(b) 1,3,4,2

(c) 2,1,3,4

(d) 3,4,2,1

Answer: (a)

8. Choose the correct alternative that will replace the question mark in the given series: DHL, PTX, BFJ, ?

(a) KOS

(b) NRV

(c) NPS

(d) NRU

Answer: (b)

9. Find the wrong number in the series: 28, 33, 31, 36, 34, 29

(a) 33

(b) 36

(c) 34

(d) 29

Answer: (d)

10. The age of Rakhi is twelve times that of her daughter Anubha. If age of Anubha is 3 years now, then what was the age of Rakhi, 2 years earlier?

(a) 20 years

(b) 34 years

(c) 30 years

(d) 36 years

Answer: (b)

11. Satya's birthday falls on 15th August and Meena's birthday falls on 25th June. If Meena's birthday was on Wednesday, what was the day on Sathya's birthday in the same year?

(a) Friday

(b) Monday

(c) Tuesday

(d) Saturday

Answer: (a)

12. From the given words, select the word which can be formed using the letters of the given word. AMPLIFICATION

(a) ACTOR

(b) MANOR

(c) CHAMP

(d) MANIA

Answer: (d)

13. If BLACKSMITH is coded as CNBELUNKUJ, then CHILDREN will be coded as ?

(a) DIJMESFO

(b) DJJNETFP

(c) DJINETEP

(d) DJJNETEP

Answer: (b)

14. If 17 + 17 = 2895 18 + 18 = 3245 19 + 19 = 3615 t , 23 + 23 = ?

(a) 5765

(b) 2565

(c) 4005

(d) 5295

Answer: (d)

15. In the following problem, '=' stands for '÷' , '+' stands for '-' , 'x' stands for '=', '-' stands for '+' and '÷' stands for 'x'. Find the correct equation.

(a) 8 ÷ 4 + 1 - 5 = 6 x 4

(b) 4 x 6 ÷ 4 + 4 = 7

(c) 5 ÷ 3 - 25 + 20 = 20 x 39

(d) 96 ÷ 2 x 6 ÷105 + 1

Answer: (c)

16. Select the missing number from the given responses.

(a) 432

(b) 334

(c) 512

(d) 501

Answer: (c)

17. A man walked 9 km towards East and then 12 km towards South. How far is he from the starting point?

(a) 8 km

(b) 6 km

(c) 15 km

(d) 7.5 km

Answer: (c)

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: Poverty is a symptom as well as a consequence of social disorder. Assumptions: I. Poverty is a type of social order II. Poverty is related to social order

(a) only I assumption is correct

(b) only assumption II is correct

(c) Both assumptions I and II are correct

(d) Neither assumption I nor II is correct

Answer: (d)

20. Find the part which represents those actors who are also singers

(a) a

(b) b

(c) c

(d) f

Answer: (c)

25. In the question, a word is represented by [illegible] e 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 04, 40, etc., and 'K' can be represented by 56, 75, etc. Similarly you have to identify the set for the word 'NILE'

(a) 56, 58, 03, 02

(b) 59, 77, 85, 43

(c) 56, 62, 03, 02

(d) 57, 60, 10, 02

Answer: (b)

General Awareness

26. Trickle down theory ignores the impact of economic growth on

(a) Investment

(b) Savings

(c) Income distribution

(d) Consumption

Answer: (c)

27. The Comptroller and Auditor General of India does not audit the receipts and expenditure of
    (a) Central Government
    (b) Local Bodies
    (c) State Government
    (d) Government Companies

    Answer: (b)

28. In which year did the Kakori conspiracy case take place?
    (a) 1925
    (b) 1924
    (c) 1926
    (d) 1927

    Answer: (a)

29. The Taj Mahal is called 'a dream in marble'. Which monument is called as 'a dream in stone'?
    (a) The Rang Mahal
    (b) The Panch Mahal
    (c) The Red Fort
    (d) The Bahai temple

    Answer: (b)

30. Sex-ratio in India is measured as
    (a) Number of males per thousand females
    (b) Number of females per thousand males
    (c) Number of males per hundred females
    (d) Number of females per hundred males

    Answer: (b)

31. Companion cells are unique to
    (a) Bryophytes
    (b) Pteridophytes
    (c) Angiosperms
    (d) Gymnosperms

    Answer: (c)

32. Which one of the following is an insulator?
    (a) Copper
    (b) Wood
    (c) Mercury
    (d) Aluminium

    Answer: (b)

33. Bubbles of air rise up through liquids due to:
    (a) Surface tension and adherence
    (b) viscosity and buoyancy.
    (c) air current over the liquid and buoyancy
    (d) Up thrust and surface tension.

    Answer: (b)

35. The boiling point of liquids vary as
    (a) pressure varies
    (b) temperature varies
    (c) volume varies
    (d) density varies

    Answer: (a)

36. The largest source of pollution in the world is
    (a) herbicides and insecticides
    (b) Automobile exhausts
    (c) Sewage and garbage
    (d) Industrial effluents

    Answer: (c)

37. Among the following states, the literacy rate is hig' t in
    (a) Orissa
    (b) Punjab
    (c) Maharashtra
    (d) Mizoram

    Answer: (d)

38. The minimum number of members that must be present to hold the meeting of the Lok Sabha is
    (a) One-fourth of the total membership
    (b) One-tenth of the total membership
    (c) Fifty percent strength of the Lok Sabha
    (d) At least hundred members

    Answer: (b)

39. India's population growth is characterized by
    (a) An increase in rate of death
    (b) An increase in the ratio of females
    (c) An increase in the birth rate and declining death rate
    (d) Increasing number of old people

    Answer: (c)

40. What will you call a system of taxation under which the poorer sections are taxed at higher rates than the richer sections?
    (a) Progressive tax
    (b) Proportional tax
    (c) Regressive tax
    (d) Degressive tax

    Answer: (c)

41. The most important function of an interest group is to
    (a) form the government
    (b) alter government policies to its liking
    (c) build up public opinion
    (d) Contest elections

    Answer: (b)

42. Which among the following is not correctly paired?
    (a) Shivaji-Afzal Khan
    (b) Nurjahan-Mahabat Khan
    (c) Akbar-Rana Pratap
    (d) Babar-Bairam Khan

    Answer: (d)

43. Which of the following deserts is rich in gold reserves?
    (a) Arabian
    (b) Thar
    (c) Mongolian
    (d) Atacama

    Answer: (d)

44. Lacrymal glands are situated in the
    (a) Palms
    (b) Buccal cavity
    (c) Eye orbit
    (d) Stomach

    Answer: (c)

45. The most extensive use of molasses after fermentation is for producing
    (a) Methanol
    (b) Sugar
    (c) Ethanol
    (d) Sugarcane

    Answer: (c)

46. Acid rain is caused due to pollution of atmosphere by
    (a) oxides of nitrogen and sulphur
    (b) oxides of nitrogen and phosphorous
    (c) oxides of carbon and nitrogen
    (d) oxides of nitrogen and methane

    Answer: (a)

47. The dispute over Siachin Glacier is between
    (a) India and China
    (b) India and Afghanistan
    (c) India and Pakistan
    (d) India and Nepal

    Answer: (c)

48. Who wrote the famous line: 'A thing of beauty is a joy forever'
    (a) John Keats
    (b) V.S. Naipaul
    (c) Sir Richard Burton
    (d) Larry Collins

    Answer: (a)

49. Who was the first lady Governor of an Indian Stat
    (a) Mrs. Sucheta Kripalani
    (b) Miss Padmaja Naidu
    (c) Mrs Tarkeswari Sinha
    (d) Mrs. Sarojini Naidu

    Answer: (a)

50. Which of the following is an application protocol?
    (a) HTTP
    (b) TCP
    (c) IP
    (d) UDP

    Answer: (a)

Quantitative Aptitude

51. A clock gains 15 minutes per day. If it is set right at 12 noon, the time it shows at 4 AM is
    (a) 4.20 AM
    (b) 4.30 AM
    (c) 4.02 AM
    (d) 4.10 AM

    Answer: (d)

52. A home theatre set is Rs. 4950. If two successive discounts of 20% and 15% are given, then its selling price is

(a) Rs.3366

(b) Rs.6633

(c) Rs.3636

(d) Rs.6363

Answer: (a)

53. If 15% of x is three times of 10% of y, then x:y =

(a) 1:2

(b) 2:1

(c) 3:2

(d) 2:3

Answer: (b)

54. A bookseller bought 500 text books for ₹ 20,000. He wanted to sell them at a profit so that he get 50 books free. At what profit percent should he sell them?

(a) 10

(b) 20

(c) 15

(d) 10.5

Answer: (a)

55. 20% of a man's salary is paid as rent, 60% are his living expenses and 10% are his savings. If he spends remaining ₹ 30 on the education of his children, find his salary

(a) 300

(b) 900

(c) 3000

(d) 9000

Answer: (a)

56. A gun is fired at a distance of 6.64 km away from Ram. He hears the sound 20 seconds later. Then the speed of sound is

(a) 664 m/s

(b) 664 km/s

(c) 332 m/s

(d) 332 km/s

Answer: (c)

57. The simple interest on Rs. 2000 for 2 years at Rs. 75 per thousand per annum will be

(a) Rs.150

(b) Rs.300

(c) Rs.600

(d) Rs.400

Answer: (b)

58. If x = 1 + √2 + √3, then the value of x2 - 2x - 4 is

(a) √6

(b) 2√3

(c) 3√2

(d) 2√6

Answer: (d)

60. If ΔABC is an equilateral triangle of side 16 cm, then the length of altitude is

(a) 2√3 cm

(b) 4√3 cm

(c) 8√3 cm

(d) 5√3 cm

Answer: (c)

61. O is the circumcentre of ΔABC. If AO = 8 cm, then the length of BO is

(a) 12 cm

(b) 3 cm

(c) 6 cm

(d) 8 cm

Answer: (d)

62. Given that tan(θ + 15°) = √3. Then the value of θ i

(a) 15°

(b) 75°

(c) 45°

(d) 65°

Answer: (c)

63. The least number of square tiles of side 41 cms required to pave the ceiling of a room of size 15m 17cm long and 9m 2 cm broad is:

(a) 902

(b) 656

(c) 738

(d) 814

Answer: (d)

64. The average of fruits offered in a temple in a week was 75. The average of fruits offered in six days excluding Tuesday was 72. How many fruits were offered on Tuesday?

(a) 90

(b) 93

(c) 72

(d) 92

Answer: (b)

67. If $a > b > 0$, $AB = a - b$ cm, $BC = 2\sqrt{ab}$ cm, then $\angle ABC$ is

(a) 45°

(b) 60°

(c) 90°

(d) 120°

Answer: (c)

69. From a point, 40 m apart from the foot of a tower, the angle of elevation of its top is 60°. The height of the tower is

(a) $40\sqrt{3}$

(b) $40\sqrt{3}$ cm

(c) $40\sqrt{3}$ m

(d) $40\sqrt{2}$ m

Answer: (c)

70. The radius of a sphere and hemisphere are same. The ratio of their total surface area is

(a) 3:1

(b) 2:1

(c) 3:2

(d) 4:3

Answer: (d)

71. Two equal arcs of two circles subtend angle of 6[illegible] and 75° at the centre. The ratio of the radii of the two circles is

(a) 5/4

(b) 3/2

(c) 4/5

(d) 2/3

Answer: (a)

73. Study the following graph carefully and answer the questions
If the Central Government desires to give aid for speedy electrification starting from states with least electrification, which state will get fourth rank in order of priority?

(a) F

(b) C

(c) E

(d) B

Answer: (a)

74. Study the following graph carefully and answer the questions
How many States have at least 60% or more electrified villages?

(a) Five
(b) Three
(c) Four
(d) Two

Answer: (b)

English Comprehension

76. 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) Conniosseur
(b) Connoisseur
(c) Connossieur
(d) Connosseiur

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. SOOTHE

(a) QUENCH
(b) MITIGATE
(c) HEAL
(d) AGITATE

Answer: (d)

78. 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. DEVASTATION

(a) DESTRUCTION
(b) CONSTRUCTION
(c) SEPARATION
(d) FRUSTRATION

Answer: (a)

79. Out of the four alternatives, choose the one which can be substituted for the given words/ sentences and click the button corresponding to it. An exact copy

(a) Facsimile
(b) Twin
(c) Mirror
(d) Clone

Answer: (a)

80. Out of the four alternatives, choose the one which can be substituted for the given words/ sentences and click the button corresponding to it. To give money to agents for sales.

(a) Salary

(b) Commission

(c) Fee

(d) Incentive

Answer: (b)

81. 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 is working in the same institution.

(a) Guide

(b) Collector

(c) Captain

(d) Colleague

Answer: (d)

82. 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. Cat-nap

(a) Rest

(b) Fitful sleep

(c) Long sleep

(d) Short sleep

Answer: (d)

83. 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 pull a long face

(a) Looked happily

(b) Looked surprised

(c) Looked sad

(d) Looked calm

Answer: (c)

84. 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. Fit her like a glove.

(a) Too large

(b) Too shabby

(c) Too tight

(d) Perfectly

Answer: (d)

85. 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. Health is too important to be _____.

(a) discarded

(b) disposed

(c) neglected

(d) detested

Answer: (c)

86. 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 am _____this crime.

(a) ignorant on

(b) innocent of

(c) indebted to

(d) ignoring

Answer: (b)

87. 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 was _____ paying the toll tax.

(a) free from

(b) exonerated from

(c) exempted from

(d) exposed to

Answer: (c)

88. 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 used (A)/ a pair of black trousers (B) / for a week (C)/ No error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (a)

89. 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 has made a mistake (A)/ of which (B) / I am certain (C) / No error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (d)

90. 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 not allowed (A) / for the teacher (B) / to read in a low voice (C) / no error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (b)

Passage — for questions 91–95

> 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. My mom grew up in a traditional Chinese family in which open expressions of love were never encouraged. When she had me and my three siblings, she treated us with the same hard hand. It was not that she was a slave driver or anything, but she never openly showed affection. Instead, she demonstrated that she cared in more practical ways. My parents couldn't have been more different emotionally. My dad is a really open-hearted person who constantly showers us with hugs and kisses no matter the occasion. After much persuasion from him, my mother did try to change, but it was clear that she never felt quite right expressing her emotions. Eventually, she reverted to her old self. The difference between my parents was never starker than whenever I brought home good test results from school. My dad would practically jump with joy, offering warm and affectionate words of congratulations, and my mother? "Ah, good, good" she would typically say with a tense smile etched on her face. "Do better next time, OK?" I tried not to hold a grudge against her for being reserved. That was just her way. I reasoned.

91. Why did the narrator not bear a grudge against her mother?

(a) She felt that her mother had that kind of nature

(b) She was satisfied with her father's love

(c) Her mother was incapable of loving

(d) Her mother was angry with everyone

Answer: (a)

92. The narrator's mother reverted to her old self because

(a) she fought with her husband

(b) she did not feel comfortable in revealing her emotions

(c) she was angry with the children

(d) her husband wanted her to be her old self

Answer: (b)

93. The narrator's mother didn't appreciate the narrator's results because

(a) the marks were not good

(b) the marks could be better

(c) she wasn't very expressive

(d) she was tense

Answer: (c)

94. How is the narrator's dad different from her mother?
    (a) He is dark
    (b) He expresses his feelings openly
    (c) He dislikes children
    (d) He is persuasive in nature

    Answer: (b)

95. Why was the narrator's mother not expressive of her love?
    (a) She was of Chinese origin
    (b) It was not her nature
    (c) She was a harsh person
    (d) The tradition at her home didn't allow her.

    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	**(a)**	2	**(a)**	3	**(d)**	4	**(d)**	5	**(d)**	6	**(b)**	7	**(a)**	8	**(b)**
9	**(d)**	10	**(b)**	11	**(a)**	12	**(d)**	13	**(b)**	14	**(d)**	15	**(c)**	16	**(c)**
17	**(c)**	18	**(d)**	20	**(c)**	25	**(b)**								

General Awareness

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

Quantitative Aptitude

51	**(d)**	52	**(a)**	53	**(b)**	54	**(a)**	55	**(a)**	56	**(c)**	57	**(b)**	58	**(d)**
60	**(c)**	61	**(d)**	62	**(c)**	63	**(d)**	64	**(b)**	67	**(c)**	69	**(c)**	70	**(d)**
71	**(a)**	73	**(a)**	74	**(b)**										

English Comprehension

76	**(b)**	77	**(d)**	78	**(a)**	79	**(a)**	80	**(b)**	81	**(d)**	82	**(d)**	83	**(c)**
84	**(d)**	85	**(c)**	86	**(b)**	87	**(c)**	88	**(a)**	89	**(d)**	90	**(b)**	91	**(a)**
92	**(b)**	93	**(c)**	94	**(b)**	95	**(d)**								