PREVIOUS YEAR PAPER

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

SSC CGL · 3 September 2016 · 10:00 AM - 11:15 AM

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 3 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-1-3-sep-shift-1/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Cell : Cytology:: Birds: ?
   (a) Odontology
   (b) Mycology
   (c) Ornithology
   (d) Etymology
   Answer: (c)

2. Select the related word/letters/number from the given alternatives. DHLP:WSOK::FJNR: ?
   (a) UQMI
   (b) TPLH
   (c) SOKG
   (d) VRNJ
   Answer: (a)

3. Select the related word/letters/number from the given alternatives. 2:10::26:?
   (a) 50
   (b) 36
   (c) 42
   (d) 20
   Answer: (a)

4. For the following questions Find the odd word/letters/number pair from the given alternatives.
   (a) EHJ
   (b) JML
   (c) PSR
   (d) VYX
   Answer: (a)

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

(a) Tomcat

(b) Baby

(c) Fawn

(d) Cub

Answer: (b)

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

(a) 11

(b) 17

(c) 19

(d) 21

Answer: (d)

7. Arrange the following words as per order in the dictionary.
1.Patriot 2.Pastor 3 Patron 4. Pattern 5. Pastern

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

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

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

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

Answer: (b)

8. A series is given below with one term missing. Choose the correct alternative from the given ones that will complete the series. SCD, TEF, UGH, ?, WK

(a) CMN

(b) VJI

(c) VIJ

(d) IJT

Answer: (c)

9. A series is given below with one term missing. Choose the correct alternative from the given ones that will complete the series. 124, 235, 346, 457, ?

(a) 455

(b) 465

(c) 565

(d) 568

Answer: (d)

10. F is the brother of A. C is the daughter of A. K is the sister of F, G is the brother of C. Who is the uncle of G?

(a) A

(b) C

(c) K

(d) F

Answer: (d)

11. If Jhansi is 12 ahead in rank of Prabha, who ranks 15th from last, then how many students are there in the class if Jhansi ranks 4th in order of merit ?

(a) 23
(b) 27
(c) 30
(d) 31

Answer: (c)

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

(a) ENTER
(b) METRE
(c) IRON
(d) MOMENTUM

Answer: (d)

13. If 'BASKET' is written as 'TEKSAB' how can 'PILLOW' be written in that code?

(a) LOWPIL
(b) WOLLIP
(c) LOWLIP
(d) WOLPIL

Answer: (b)

14. If '+' means '-' and '-' means 'x', 'x' means '÷' a ÷' means '+' then 2 ÷ 6 x 6 ÷ 2 = ?

(a) 1
(b) 0
(c) 10
(d) 5

Answer: (d)

15. If 6 x 9 x 3 = 963 and 4 x 8 x 5 = 845, then 9 x 4 x 7 = ?

(a) 974
(b) 479
(c) 497
(d) 749

Answer: (c)

16. Select the missing number from the given responses:

(a) 4
(b) 3
(c) 2
(d) 1

Answer: (c)

17. Ashok went 8 kms south and turned west and walked 3 kms. Again he turned north and walked 5 kms. He took a final turn to east and walked 3 kms. In which direction was Ashok from the starting point?

(a) East

(b) North

(c) West

(d) South

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. Statement: Ahimsa should be basic principle of human beings. All of us should practise Ahimsa. Conclusions: I. We all know the real meaning of Ahimsa. Conclusions: II. Ahimsa promotes global harmony.

(a) only conclusion I follows

(b) only conclusion II follows

(c) Neither I conclusion nor II follows

(d) Both conclusion I & II follow

Answer: (c)

19. Of a cubical container, all the six faces have different markings indicating the position of the equipment packed inside. Which symbol is oppsite the face having C?

(a) Z

(b) B

(c) X

(d) Y

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., G can be represented by 03, 12, etc., and 'L' can be represented by 57, 65, etc. Similarly you have to identify the set for the word 'DATE'

(a) 23, 68, 24, 97

(b) 14, 96, 11, 85

(c) 23, 96, 40, 85

(d) 32, 89, 10, 68

Answer: (a)

General Awareness

26. MUDRA Bank has been launched to help
    (a) Small business
    (b) Marginal farmers
    (c) Poor women
    (d) Rural sector

    Answer: (a)

27. Which of the following controls the insurance business of India?
    (a) RBI
    (b) IDBI
    (c) SEBI
    (d) IRDA

    Answer: (d)

28. The Speaker of Lok Sabha addresses his letter of resignation to the
    (a) President of India
    (b) Prime Minister
    (c) Deputy Speaker of Lok Sabha
    (d) The Chief Justice of India

    Answer: (c)

29. Who presided over the first session of the Indian National Congress?
    (a) A.O. Hume
    (b) Surendranath Banerjee
    (c) W.C. Banerjee
    (d) Badruddin Tayyabji

    Answer: (c)

30. Which of the following writers has called Akbar's Din-i-Ilahi as a monument of his folly, not of wisdom?
    (a) Badayuni
    (b) Vincent Smith
    (c) Barni
    (d) W.Haig

    Answer: (b)

31. Which of the following region in India is now regarded as an "Ecological Hot Spot"?
    (a) Western Himalayas
    (b) Eastern Himalayas
    (c) Western Ghats
    (d) Eastern Ghats

    Answer: (c)

32. The Beaufort scale is used to measure:
    (a) Atmospheric pressure
    (b) Altitudes of mountains
    (c) Wind velocity
    (d) Intensity of earthquakes

    Answer: (c)

33. The waste management technique that involves the use of micro-organisms to remove or neutralize pollutants from contaminated site is called
    (a) Bio sensor
    (b) Bio magnification
    (c) Bio remediation
    (d) Bio concentration

    Answer: (c)

34. In IT networking, which of the following device is used in physical layer?
    (a) Repeater
    (b) Router
    (c) Transport Gateway
    (d) Bridge

    Answer: (a)

35. The purest form of water in nature is
    (a) Rain water
    (b) Lake water
    (c) River water
    (d) Sea water

    Answer: (a)

36. The source of energy that causes the least global warming is
    (a) coal
    (b) Geothermal energy
    (c) Natural Gas
    (d) Petroleum

    Answer: (b)

37. The constellation 'Sapta Rishi' is known to Westerners as the
    (a) Seven Monks
    (b) Alpha Centauri
    (c) Big Dipper
    (d) Small Bear

    Answer: (c)

38. Bridge is the technique used in
    (a) Athletics
    (b) Wrestling
    (c) Weight lifting
    (d) Karate

    Answer: (b)

39. Which of the following books is called the 'Bible of Socialism'?
    (a) Economics of Welfare
    (b) Das Capital
    (c) Value and Capital
    (d) Asian Drama

    Answer: (b)

40. Which country recently detonated its first hydrogen bomb?
    (a) North Korea
    (b) South Korea
    (c) Iran
    (d) Libya

    Answer: (a)

41. The Swarna Jayanti Shahari Rojgar Yojna (SJSRY) mainly aims at creating employment opportunities for
    (a) both self employment and wage employment in urban areas
    (b) self employment in urban areas only
    (c) wage employment in urban areas only
    (d) None of these

    Answer: (a)

42. Who is known as the 'Father of Green Revolution' in India?
    (a) G. Paul
    (b) Norman Borlaug
    (c) Van Neil
    (d) Dr. Mithchell

    Answer: (b)

43. The component used for tuning a radio is basically a variable _____.
    (a) Resistor
    (b) Condenser
    (c) Inductor
    (d) Transformer

    Answer: (b)

44. Which of the following is not a donor atom?
    (a) Phosphorus
    (b) Antimony
    (c) Arsenic
    (d) Aluminium

    Answer: (d)

45. Which one of the following party was founded by Subhash Chandra Bose?
    (a) Abhinav Bharat
    (b) Azad Hind Sena
    (c) Revolutionary Army
    (d) Forward Block

    Answer: (d)

46. 0°K is equivalent to
    (a) 273°C
    (b) -273°C
    (c) 0°C
    (d) 100°C

    Answer: (b)

47. The oxygen liberated during photosynthesis come om
    (a) Water
    (b) Carbon dioxide
    (c) Glucose
    (d) Chlorophyll

    Answer: (a)

48. First national park of India that was established in 1936 was named as
    (a) Kanha National Park
    (b) Bharatpur National Park
    (c) Hailey National Park
    (d) Rajaji National Park

    Answer: (c)

49. Who is the 1st Indian female amputee to climb Mount Everest?
    (a) Arunima Sinha
    (b) Bachendri Pal
    (c) Santosh Yadav
    (d) Premlata Agarwal

    Answer: (a)

50. The term 'Higgs Boson' is associated with
    (a) Nano Technology
    (b) Oncology
    (c) God Particle
    (d) Stem Cell Research
    Answer: (c)

Quantitative Aptitude

51. If 100 cats kill 100 mice in 100 days, then 4 cats would kill 4 mice in how many days?
    (a) 4 days
    (b) 3 days
    (c) 40 days
    (d) 100 days
    Answer: (d)

53. If two circles touch each other internally. The greater circle has its radius as 6 cm and the distance between the centres of the circles is 2 cm. The radius of the other circle is
    (a) 3 cm
    (b) 4 cm
    (c) 2 cm
    (d) 5 cm
    Answer: (b)

54. An office opens at 10 AM and closes at [illegible] lunch interval is 30 minutes. The ratio of lunch interval to the total period of office hours
    (a) 1:7
    (b) 1:14
    (c) 7:1
    (d) 14:1
    Answer: (b)

55. A Bookseller allowed 15% discount on the books sold. Sunil purchased books worth Rs.1500. How much will he have to pay to Bookseller.
    (a) Rs.1200
    (b) Rs.1250
    (c) Rs.1275
    (d) Rs.1300
    Answer: (c)

56. If the ratio between the profit and sale price of an article is 1:5, then the ratio between the sale price and the cost price of that article is:

(a) 3:2
(b) 4:3
(c) 5:4
(d) 6:5

Answer: (c)

57. What percent of 1 day is 36 minutes?

(a) 25%
(b) 2.5%
(c) 3.6%
(d) 0.25%

Answer: (b)

61. If x2+y2+z2 = 14 and xy + yz + zx = 11, then the value of (x+y+z)2 is

(a) 16
(b) 25
(c) 36
(d) 49

Answer: (c)

63. A positive number when decreased by 4, is equa 21 times the reciprocal of this number. The number is:

(a) 3
(b) 7
(c) 5
(d) 9

Answer: (b)

67. In a triangle PQR, PQ = PR and ∠Q is twice that of ∠P. Then ∠Q is equal to

(a) 72°
(b) 36°
(c) 144°
(d) 108°

Answer: (a)

68. If the length of a chord of a circle is 16 cm and is at a distance of 15 cm from the centre of the circle, then the radius of the circle (in cm) is:

(a) 15
(b) 16
(c) 17
(d) 34

Answer: (c)

69. On 24th May 2008 the maximum temperature of Delhi, Kolkata and Mumbai were recorded as 35°C, 33°C and 34°C respectively. What was the maximum temperature of Chennai so that the average maximum temperature of those cities would be 35°?

(a) 34° C

(b) 35° C

(c) 36° C

(d) 38° C

Answer: (d)

70. The diameter of a sphere is twice the diameter of another sphere. The curved surface area of the first and the volume of the second are numerically equal. The numerical value of the radius of the first sphere is

(a) 3

(b) 24

(c) 8

(d) 16

Answer: (b)

72. Study the pie chart carefully and answer the questions. The pie chart represents the percentage of people involved in various occupations. Total number of people = 20000
How many more people are involved in service than in trade ?

(a) 3660

(b) 2660

(c) 1660

(d) 660

Answer: (b)

73. Study the pie chart carefully and answer the questions. The pie chart represents the percentage of people involved in various occupations. Total number of people = 20000
The ratio of the people involved in service to that of industry is

(a) 1:2

(b) 2:3

(c) 3:4

(d) 3:2

Answer: (b)

74. Study the pie chart carefully and answer the questions. The pie chart represents the percentage of people involved in various occupations. Total number of people = 20000
The sectorial angle made by the people involved in service in the given pie-chart is

(a) 36°

(b) 90°

(c) 72°

(d) 108°

Answer: (c)

75. Study the pie chart carefully and answer the questions. The pie chart represents the percentage of people involved in various occupations. Total number of people = 20000
The difference between the maximum number of people involved and minimum number of people involved in various professions is

(a) 2640

(b) 3640

(c) 6320

(d) 5320

Answer: (d)

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. LABYRINTH

(a) MAZE

(b) PATH

(c) SKYSCRAPER

(d) IMPASSE

Answer: (a)

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. BARREN

(a) FERTILE

(b) ABUNDANT

(c) HARSH

(d) FALLOW

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) Mysogynous

(b) Misogynous

(c) Mysoginous

(d) Misoginous

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. According to scientists(A)/, there are a lot of(B)/answers about it(C)/No Error(D).

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. They are coming (A)/ straight to (B)/our direction.(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. The building collapsed(A)/at the afternoon (B)/at about 4 o'clock (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. The police is _____ on his activities.

(a) keeping an eye

(b) keeping watchful eyes

(c) keeping both eyes

(d) keeping one eye

Answer: (a)

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. Are you _____ stamp collecting?

(a) interested by

(b) interested in

(c) interested at

(d) interested about

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. Your report _____ my statement.

(a) conforms

(b) conforming

(c) confirms

(d) comforting

Answer: (c)

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. To get cold feet

(a) Drenched

(b) Fear

(c) Felicitate

(d) Fever

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. Beside the mark

(a) Perfect

(b) Not to the point

(c) Relevant

(d) Charming

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. On tenterhooks

(a) Happy and excited

(b) In suspense and anxiety

(c) Angry and irritated

(d) Surprised and shocked

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. Property inherited from one's father or ancestors.

(a) Patrimony

(b) Mercenary

(c) Hereditary

(d) Aristocracy

Answer: (a)

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. A person who is womanish in his habits

(a) Feminist

(b) Philogynist

(c) Effeminate

(d) Feminine

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 converted from one religion to another

(a) Pilgrim

(b) Polytheist

(c) Proselyte

(d) Presbyte

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. Even the majority of elders turn their homes into hives of worry as they have too little to do in too much time. Those who have retired thus find retirement tiresome when hobbies, instead, could have turned it into a period of creativity and contentment. This common problem of inability to utilise leisure pleasurably and profitably is not restricted to Indians. In fact, Japanese are the worse sufferers. Their weekends, rather than increase their enjoyment of life, have wreaked havoc on their health and happiness. Unable to while away the long, unstructured hours, many of them have become addicts to coffee or hard liquor, and have even taken to gambling. How has this social malady come about? Ironically, the syllabus-loaded education system is the main culprit. It places a heavy work-load on children and youth, laying emphasis as it does on memory rather than intelligence.

96. Why do a majority of retired elders find retirement tiresome?

(a) Because their homes have been turned into hi of worry.

(b) Because they do not have hobbies to utilise t free time.

(c) Because they had nothing to do.

(d) Because they had plenty of free tim

Answer: (b)

97. How have the Japanese benefitted from their weekends?

(a) They have increased enjoyment in life.

(b) They enjoy health and happiness.

(c) They use their free time to increase their enjoyment.

(d) They become addicts to coffee or hard liquor and gambling.

Answer: (d)

98. The syllabus-loaded education system

(a) Places a heavy burden on the youth.

(b) Ensures that parents pay attention to the development of children.

(c) Lays emphasis on intelligence.

(d) Gives students a lot of free time.

Answer: (a)

99. The author thinks that
    (a) Authorities are more appreciative of the syllabus-loaded education system.
    (b) Hobbies play an important role in changing the unfortunate situation.
    (c) Co-curricular activities are discouraged.
    (d) Only Indians suffer from inability to utilise leisure.

    Answer: (b)

100. The passage tells us that
    (a) Hobbies are a waste of time
    (b) Hobbies play a crucial role in physical and mental development.
    (c) Hobbies wreak havoc on man's health and happiness.
    (d) Hobbies can turn us into addicts of coffee, liquor or gambling.

    Answer: (b)

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	**(a)**	3	**(a)**	4	**(a)**	5	**(b)**	6	**(d)**	7	**(b)**	8	**(c)**
9	**(d)**	10	**(d)**	11	**(c)**	12	**(d)**	13	**(b)**	14	**(d)**	15	**(c)**	16	**(c)**
17	**(d)**	18	**(c)**	19	**(a)**	25	**(a)**								

General Awareness

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

Quantitative Aptitude

51	**(d)**	53	**(b)**	54	**(b)**	55	**(c)**	56	**(c)**	57	**(b)**	61	**(c)**	63	**(b)**
67	**(a)**	68	**(c)**	69	**(d)**	70	**(b)**	72	**(b)**	73	**(b)**	74	**(c)**	75	**(d)**

English Comprehension

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