PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 4 September 2016, Shift 1

SSC CGL · 4 September 2016 · 10:00 AM - 11:15 AM

77 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: 23 (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 4 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-1-4-sep-shift-1/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Play:Actor::Concert:?
   (a) Symphony
   (b) Musician
   (c) Piano
   (d) Percussion
   Answer: (b)

2. Select the related word/letters/number from the given alternatives. EGIK : FILO :: FHJL : ?
   (a) JGMP
   (b) JGPM
   (c) GJMP
   (d) GMJP
   Answer: (c)

3. Select the related word/letters/number from the given alternatives. 583 : 295 :: 486 : ?
   (a) 291
   (b) 378
   (c) 487
   (d) 581
   Answer: (b)

4. Find the odd word/letters/number pair from the given alternatives. (A) Fire (B) Light (C) Gas (D) Water
   (a) A
   (b) B
   (c) C
   (d) D
   Answer: (d)

5. Find the odd word/letters/number pair from the given alternatives. (A) ECBY (B) RTUX (C) GEDA (D) WUTQ

(a) A

(b) B

(c) C

(d) D

Answer: (b)

6. Find the odd word/letters/number pair from the given alternatives. (A) 52-61 (B) 43-54 (C) 72-83 (D) 18-29

(a) A

(b) B

(c) C

(d) D

Answer: (a)

7. Arrange the following words as per order in the dictionary. 1. Fraudulent 2. Fraught 3. Fraternity 4. Franchise 5. Frantic

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

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

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

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

Answer: (b)

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

(a) I H J I

(b) H I H I

(c) I H I J

(d) H J H J

Answer: (a)

9. Which number will complete the series? 63, 72, 81, 90, ____, 108

(a) 80

(b) 99

(c) 100

(d) 117

Answer: (b)

10. Rajiv is the brother of Arun. Sonia is the sister of Sunil. Arun is the son of Sonia. How is Rajiv related to Sunil?

(a) nephew

(b) son

(c) brother

(d) father

Answer: (a)

11. A mother is five times older than her daughter. After 5 years, she would be 3 times older than her daughter. Find the mother's present age.

(a) 20 years

(b) 22 years

(c) 25 years

(d) 29 years

Answer: (c)

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

(a) MOUNT

(b) CEMENT

(c) PAVEMENT

(d) NOUN

Answer: (c)

13. If SYSTEM is written as RXRSDL. How c[illegible]COF[illegible]CT be written in that code?

(a) BNQQDBS

(b) BQQNDBS

(c) BNQQBDS

(d) BNQDQBS

Answer: (a)

14. If A means +, B means ×, C means ÷, D means −, then the value of given equation will be? 9A2B6D4C2

(a) 16

(b) 19

(c) 27

(d) 30

Answer: (b)

15. If, 4×3=14; 5×4=18; 6×5=22; Then find the value of 7×6=?

(a) 20

(b) 26

(c) 30

(d) 42

Answer: (b)

16. Select the missing number from the given responses:

(a) 6

(b) 9

(c) 5

(d) 4

Answer: (c)

17. Rita travelled 35 Km from a point towards South and then turned left and travelled 20 Km and finally turned left again and travelled 35 Km. In which direction is she from the starting point?

(a) East

(b) West

(c) North

(d) South

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. Statement: To achieve economic development, people should work hard. Conclusions: I: Economic development is directly related to people's hardwork. II: Working hard by all the people is impossible

(a) Only I follows

(b) Only II follows

(c) Both I and II follow

(d) Neither I nor II follows

Answer: (a)

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 coloumn,e.g., B can be represented by 00,13, etc, and A can be represented by 55,69, etc. You have to identify the set for the word 'LION'.

(a) 03, 55, 76, 33

(b) 11, 65, 77, 22

(c) 23, 79, 85, 43

(d) 11, 88, 99, 22

Answer: (d)

General Awareness

26. Besides CO2, the other green house gas is

(a) CH4

(b) N2

(c) Ar

(d) O2

Answer: (a)

27. National Income of India is compiled by
    (a) Finance Commission
    (b) Indian Statistical Institute
    (c) National Development Council
    (d) Central Statistical Organization

    Answer: (d)

28. The power of the Supreme Court of India to decide disputes between the Centre and the States falls under its
    (a) Advisory jurisdiction
    (b) Original jurisdiction
    (c) Appellate jurisdiction
    (d) Jurisprudence

    Answer: (b)

29. The word 'Satyameva Jayate' have been derived from which Upanishad?
    (a) Akshi Upanishad
    (b) Mundaka Upanishad
    (c) Garuda Upanishad
    (d) Mahavakya Upanishad

    Answer: (b)

30. When Granite rocks get metamorphosed, they fc
    (a) Quartzite
    (b) Gneiss
    (c) Marble
    (d) Slate

    Answer: (b)

31. Which of the following is a commercial source of energy?
    (a) Agricultural waste
    (b) Dried dung
    (c) Sun
    (d) Natural gas

    Answer: (d)

32. Backward bending supply curve belongs to which market?
    (a) Capital
    (b) Labour
    (c) Money
    (d) Inventories

    Answer: (b)

33. In IT, associative memory is called as
    (a) Virtual memory
    (b) Cache memory
    (c) Content addressable memory
    (d) Main memory

    Answer: (c)

34. Addition of suitable impurities into semiconductor, is called
    (a) Doping
    (b) Mixing
    (c) Forming
    (d) Diluting

    Answer: (a)

35. Kyoto Protocol is associated with
    (a) Species conservation
    (b) Climate change
    (c) Wetland Conservation
    (d) Medicinal plants

    Answer: (b)

36. Ebraham Alkazi is an eminent personality in which one of the following area?
    (a) Heart surgery
    (b) Civil aviation
    (c) Theatre
    (d) Painting

    Answer: (c)

37. Skoda, which launched sedan 'Rapid', is an automobile manufacturer based in
    (a) Japan
    (b) France
    (c) South Korea
    (d) Czech Republic

    Answer: (d)

38. Sattriya is a classical dance form of _____
    (a) Manipur
    (b) Uttar Pradesh
    (c) Assam
    (d) Andhra Pradesh

    Answer: (c)

39. P. V. Sindhu defeated Wang Yihan to enter the semi final of womens' singles of badminton at the Rio Olympics. Wang Yihan belongs to _____

(a) Indonesia
(b) Taiwan
(c) China
(d) Japan

Answer: (c)

40. If a budget is defeated in the legislature of a state then

(a) The Finance Minister alone has to resign
(b) The Finance Minister concerned has to be suspended
(c) The council of Ministers along with the Chief Minister has to resign
(d) Re-election have to be ordered

Answer: (c)

41. Which one of the following papers was edited by Gandhiji in South Africa?

(a) Indian Opinion
(b) Harijan
(c) Young India
(d) Indian Mirror

Answer: (a)

42. In which of the following cities India's first water metro project was recently launched?

(a) Kolkata
(b) Kochi
(c) Vishakhapatnam
(d) Mumbai

Answer: (b)

43. Meibomian glands are located in

(a) Eye
(b) Ear
(c) Nose
(d) Skin

Answer: (a)

44. In which city is India's first Post Office ATM opened?

(a) Chennai
(b) New Delhi
(c) Hyderabad
(d) Mumbai

Answer: (a)

45. Arsenic problem in India is primarily due to
    (a) Overexploitation of coal in Bihar and Bengal
    (b) Overexploitation of arsenopyrite in the hinterland
    (c) Overexploitation of ground water in the affected areas
    (d) Overexploitation of surface water in the affected areas

    Answer: (c)

46. Men's Singles Wimbledon Championship 2016, is bagged by
    (a) Andy Murray
    (b) Milos Ravnic
    (c) Roger Federer
    (d) Novak Dijokovic

    Answer: (a)

47. Which of the following vitamins are water soluble?
    (a) Vit. A & Vit. B
    (b) Vit. B & Vit. C
    (c) Vit. C & Vit. D
    (d) Vit. A & Vit. K

    Answer: (b)

48. In terms of economics, if it is possible to make so one better-off without making someone worse-off, then the situation is
    (a) Inefficient
    (b) Efficient
    (c) Optimal
    (d) Pareto-superior

    Answer: (d)

49. Green House Effect' means
    (a) Pollution in houses in tropical region
    (b) Prevention of ultra-violet radiation by the ozone layer
    (c) Trapping of solar energy due to atmospheric gases
    (d) Damage to green painted buildings

    Answer: (c)

50. General Dyer, who was responsible for Jallianwalan Bagh massacre, was shot dead by?
    (a) Hasrat Mohini
    (b) Vir Savarkar
    (c) Udham Singh
    (d) Jatin Das

    Answer: (c)

Quantitative Aptitude

52. A shopkeeper marks his goods 40% above the cost price and allows a discount of 25% on it. His gain % is

(a) 5%

(b) 10%

(c) 15%

(d) 20%

Answer: (a)

53. The ratio of the ages of two boys is 3:4. After 3 years, the ratio will be 4:5.The ratio of their ages after 21 years will be

(a) 14:17

(b) 17:19

(c) 11:12

(d) 10:11

Answer: (d)

54. The cost price of 25 books is equal to the selling price of 20 books. The profit percent is

(a) 20%

(b) 22%

(c) 24%

(d) 25%

Answer: (d)

55. One number is 25% of another number. [illegible]er number is 12 more than the smaller. The large number is

(a) 48

(b) 16

(c) 4

(d) 12

Answer: (b)

56. A train 500 m long, running at a uniform speed, passes a station in 35 sec. If the length of the platform is 221 m, the speed of the train in km/hr is

(a) 721/35

(b) 74.16

(c) 24.76

(d) 78.54

Answer: (b)

57. If the simple interest on Rs. 400 for 10 years is Rs. 280, then rate of interest per annum is

(a) 7%

(b) 7 ½ %

(c) 7 ¼ %

(d) 8 ½ %

Answer: (a)

60. G and AD are respectively the centroid and median of the triangle ΔABC.The ratio AG:AD is

(a) 3:2

(b) 2:3

(c) 2:1

(d) 1:2

Answer: (b)

61. A point P lying inside a triangle is equidistant from the vertices of the triangle. Then the triangle has P as its

(a) Centroid

(b) Incentre

(c) Orthocentre

(d) Circumcentre

Answer: (d)

62. If sinθ + cosθ = 1, then the sinθ cosθ is equal to

(a) 0

(b) 1

(c) ½

(d) -½

Answer: (a)

63. If 7 times the seventh term of an Arithmetic Progression (AP) is equal to 11 times its eleventh term, then the 18th term of the AP will be

(a) 1

(b) 0

(c) 2

(d) -1

Answer: (b)

64. The average age of eight teachers in a school is 40 years. A teacher among them died at the age of 55 years whereas another teacher whose age was 39 years joins them. The average age of the teachers in the school now is (in years)

(a) 35

(b) 36

(c) 38

(d) 39

Answer: (c)

67. Two equal circles of radius 3 cm each and distance between their centres is 10 cm. The length of one of their transverse common tangent is

(a) 7 cm

(b) 9 cm

(c) 10 cm

(d) 8 cm

Answer: (d)

70. A sphere has the same curved surface area as a cone of vertical height 40 cm and radius 30 cm. The radius of the sphere is

(a) $5\sqrt{5}$ cm

(b) $5\sqrt{3}$ cm

(c) $5\sqrt{15}$ cm

(d) $5\sqrt{10}$ cm

Answer: (c)

71. The angle of elevation of the top of a tower from a point A on the ground is 30°. On moving a distance of 20 metres towards the foot of the tower to a point B, the angle of elevation increases to 60°. The height of the tower in metres is

(a) $\sqrt{3}$

(b) $5\sqrt{3}$

(c) $10\sqrt{3}$

(d) $20\sqrt{3}$

Answer: (c)

72. Given here is a pie chart of the cost of go[illegible] 10, 2011, 2012 and 2013. Study the chart and answer the following questions
If the price of gold in 2013 is Rs. 31,500 per 10 gram, then the price of gold in 2011 per 10 gram is

(a) Rs.17000

(b) Rs.17500

(c) Rs.18000

(d) Rs.18500

Answer: (b)

73. Given here is a pie chart of the cost of gold in 2010, 2011, 2012 and 2013. Study the chart and answer the following questions
The ratio of the price of gold in the two years 2010 and 2013 is

(a) 1:2

(b) 1:3

(c) 1:4

(d) 1:5

Answer: (b)

74. Given here is a pie chart of the cost of gold in 2010, 2011, 2012 and 2013. Study the chart and answer the following questions
The percentage of increase in the price of gold from the year 2011 to 2013 is

(a) 50%

(b) 60%

(c) 70%

(d) 80%

Answer: (d)

75. Given here is a pie chart of the cost of gold in 2010, 2011, 2012 and 2013. Study the chart and answer the following questions
The ratio of percentage of increase in price of gold from 2011 to 2012 and 2012 to 2013 is

(a) 6:5

(b) 7:5

(c) 8:5

(d) 9:5

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. EXAGGERATE

(a) MAGNIFY

(b) IMAGINE

(c) REINFORCE

(d) REITERATE

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. GREGARIOUS

(a) UNSOCIABLE

(b) UNSYMPATHETIC

(c) UNGRATEFUL

(d) UNATTRACTIVE

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) Serendipty

(b) Serendipity

(c) Serndipity

(d) Sernidipity

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. Considering the (A) / gravity of the problems (B) / an early reply has expected (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. The Statesman has the (A) / larger circulation (B) / of all English dailies (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. I am very anxious (A) / to know how are you (B) / and mother are doing (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. Everything _____ carefully checked.

(a) has been

(b) have been

(c) are being

(d) is been

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. I've _____ finished painting the house.

(a) about

(b) nearing

(c) towards

(d) almost

Answer: (d)

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. She _____ made him angry.

(a) have absolutely

(b) has certainly

(c) have certainly

(d) has absolutely

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. Burn your boats

(a) Have a burning desire to win

(b) Become extremely tired after working very ha

(c) Do something that makes it impossible to ret to the previous situation

(d) Want to spend money as soon as yo et it

Answer: (c)

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. Dressing-down

(a) Apply bandage

(b) Wear an expensive gown

(c) Give a scolding

(d) Pretend

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. Null and void

(a) Invalid

(b) Observant

(c) Uncontrolled

(d) Homeless

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. Write or carve words on stone or paper

(a) Sketch

(b) Imprint

(c) Affix

(d) Inscribe

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. Unable to pay one's debt

(a) Insolvent

(b) Impute

(c) Indebt

(d) Obligate

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. Trouble and annoy continually

(a) Complaint

(b) Harass

(c) Punish

(d) Oppress

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

General Awareness

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

Quantitative Aptitude

52	**(a)**	53	**(d)**	54	**(d)**	55	**(b)**	56	**(b)**	57	**(a)**	60	**(b)**	61	**(d)**
62	**(a)**	63	**(b)**	64	**(c)**	67	**(d)**	70	**(c)**	71	**(c)**	72	**(b)**	73	**(b)**
74	**(d)**	75	**(b)**												

English Comprehension

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