PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 8 August 2017, Shift 1

SSC CGL · 8 August 2017 · 10:00 AM - 11:00 AM

84 of the paper's 100 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 16 (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 8 August 2017, 10:00 AM - 11:00 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-2017-tier-1-8-aug-shift-1/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Car : Road : : Ship : ?
   (a) Water
   (b) Air
   (c) Road
   (d) Both Air and Water
   Answer: (a)

2. In the following question, select the related letters from the given alternatives. GLOW : FJNU : : PTEL : ?
   (a) ORFN
   (b) ORDJ
   (c) ORJD
   (d) OPNF
   Answer: (b)

3. In the following question, select the related number from the given alternatives. 5 : 124 : : 6 : ?
   (a) 215
   (b) 216
   (c) 217
   (d) 220
   Answer: (a)

4. In the following question, select the odd word pair from the given alternatives.
   (a) Error : Accurate
   (b) Careless : Casual
   (c) Strength : Lethargy
   (d) Gloomy : Cheerful
   Answer: (b)

5. In the following question, select the odd letters from the given alternatives.

(a) FUGT

(b) KPLO

(c) DWEV

(d) CWDX

Answer: (d)

6. In the following question, select the odd number pair from the given alternatives.

(a) 11 – 120

(b) 17 – 290

(c) 21 – 442

(d) 12 – 145

Answer: (a)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Pragmatic 2. Protect 3. Pastel 4. Postal 5. Pebble

(a) 43521

(b) 35412

(c) 34512

(d) 43512

Answer: (b)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. Q, P, O, N, ?

(a) M

(b) L

(c) O

(d) J

Answer: (a)

9. In the following question, select the missing number from the given series. 6, 9 , 15, 24, 39, 63, ?

(a) 97

(b) 115

(c) 102

(d) 124

Answer: (c)

10. P and Q are brothers. P is the father of S. R is the only son of Q and is married to U. How is U related to S?

(a) Sister-in-law

(b) Mother-in-law

(c) Sister

(d) Mother

Answer: (a)

11. Nine years later, age of B will be equal to the present age of A. Sum of A's age 3 years later and B's age 4 years ago is 76. If C is half of the present age of B, then what will be C's age (in years) after 10 years?

(a) 32

(b) 36

(c) 27

(d) 31

Answer: (c)

12. In the following question, from the given alternative words, select the word which cannot be formed using the letters of the given word. Herringbone

(a) Biner

(b) None

(c) Bane

(d) Hinge

Answer: (c)

13. In a certain code language, "NIGHT" is written as "ODDGM" and "DARK" is written as "GOYC". How is "GREEN" written in that code language?

(a) IABPF

(b) MCBNB

(c) OGHVL

(d) FPBAI

Answer: (a)

14. In the following question, correct the equa[illegible] interchanging two signs. 4×3–6÷2+7=8

(a) – and +

(b) x and –

(c) ÷ and x

(d) x and +

Answer: (a)

15. If 3 # 4 % 8 = 6 and 9 % 4 # 3 = 12, then 12 % 6 # 24 = ?

(a) 4

(b) 3

(c) 5

(d) 6

Answer: (b)

18. In each of the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. Some boys are hardworking. II. No intelligent are boys. Conclusions: I. Some hardworking are not intelligent. II. All hardworking are intelligent. III. Some intelligent are not hardworking.

(a) Only conclusion (I) follows.

(b) Only conclusion (I) and (III) follow.

(c) All conclusions follow.

(d) No conclusion follows.

Answer: (a)

General Awareness

26. Which one of the following is a component of Food Security System?

(a) Buffer stock

(b) Minimum support price

(c) Fair price shops

(d) Mid day meals

Answer: (a)

27. What is the accepted average Calorie requirement for rural area in India?

(a) 2100

(b) 2200

(c) 2300

(d) 2400

Answer: (d)

28. Whose recommendation is mandatory to impeach the President of India from his office before the completion of his/her term?

(a) The Prime Minister

(b) The Speaker of the Lok Sabha

(c) The Chief Justice of India

(d) The two houses of the parliament

Answer: (d)

29. How many types of writ are there in the Indian Constitution?

(a) 5

(b) 4

(c) 3

(d) 2

Answer: (a)

30. Who has built the Vijay Stambha (Tower of Victory) in Chittorgarh?
    (a) Maharana Pratap
    (b) Rana Kumbha
    (c) Rana Sanga
    (d) Kunwar Durjan Singh

    Answer: (b)

31. Who raised the slogan “Swaraj is my birthright and I shall have it”?
    (a) Mahatma Gandhi
    (b) Subhash Chandra Bose
    (c) Bal Gangadhar Tilak
    (d) Lala Lajpat Rai

    Answer: (c)

32. Which Indian state is the largest in terms of the total area covered ?
    (a) Maharashtra
    (b) Madhya Pradesh
    (c) Rajasthan
    (d) Tamil Nadu

    Answer: (c)

33. Which Indian state has the longest Coastline?
    (a) Kerala
    (b) Gujarat
    (c) Andhra Pradesh
    (d) Tamil Nadu

    Answer: (b)

34. Auxiliary bud develops into which of the following part of the plant?
    (a) Fruit
    (b) Leaf
    (c) Branch
    (d) Roots

    Answer: (c)

35. Xylem helps in transportation of which of the following?
    (a) Food
    (b) Water
    (c) Nutrients
    (d) Both food and water

    Answer: (b)

36. Who proposed five kingdom classification?
    (a) Ernst Mayr
    (b) R. H. Whittaker
    (c) M. W. Beijerinck
    (d) D. I. Ivanovsky
    Answer: (b)

37. What is the other name of Galileo's law of falling bodies?
    (a) Law of motion
    (b) Newton's first law
    (c) Newton's second law
    (d) Newton's third law
    Answer: (b)

38. Which of the following device is best suited for measuring the temperature inside metallurgical furnaces?
    (a) Pyrometer
    (b) Thermocouple
    (c) Thermometer
    (d) Thermistor
    Answer: (a)

39. What is the full form of 'LAN'?
    (a) Line Area Network
    (b) Linear Area Network
    (c) Local Area Network
    (d) Land Area Network
    Answer: (c)

40. Which acid is released when an Ant bites?
    (a) Hydrochloric Acid
    (b) Formic Acid
    (c) Acetic Acid
    (d) Phosphoric Acid
    Answer: (b)

41. Which among the following is an example of solid sol?
    (a) Milk of magnesia
    (b) Foam
    (c) Coloured gemstones
    (d) Rubber
    Answer: (c)

42. Which metal is responsible for Itai-Itai disease?

(a) Cadmium

(b) Nickel

(c) Chromium

(d) Mercury

Answer: (a)

43. 'Vikalp' is a scheme launched by Indian Railways to help wait-listed passengers. Which of the following is NOT true about this scheme?

(a) Confirmed berths in alternate trains.

(b) No-extra charges will be taken from passengers.

(c) Wait-listed passengers can avail opportunity of travelling in Rajdhani/Shatabdi/Special trains even when booking made is in other mail/express trains.

(d) Vikalp scheme will be initially available for e-tickets only.

Answer: (a)

44. Who discovered the Cholera causing germ?

(a) Filippo Pacini

(b) Robert Koch

(c) M. Laveran

(d) Felix Hoffman

Answer: (a)

46. 'Hunar Haat' an exhibition to exhibit and promote the arts and artisans from minority community was launched at which of the following events?

(a) Pushkar Fair, 2016

(b) IITF, New Delhi, 2016

(c) Suraj Kund Craft Mela, 2017

(d) Kumbh Mela, 2015

Answer: (b)

47. Which movie won the award for the best movie at the Oscar Awards 2017?

(a) La La Land

(b) Arrival

(c) Moonlight

(d) Manchester by the Sea

Answer: (c)

48. Who is the author of the book titled 'Citizen and Society'?

(a) Pranab Mukherjee

(b) Hamid Ansari

(c) Nandan Nilekani

(d) Satyajit Ray

Answer: (b)

49. With which country India has recently signed a MoU for Water Conservation in India?
    (a) France
    (b) Germany
    (c) Israel
    (d) Bangladesh
    Answer: (c)

50. Which among the following neighbouring country of India is the largest producer of Opium in the World?
    (a) Pakistan
    (b) Afghanistan
    (c) Sri Lanka
    (d) Maldives
    Answer: (b)

Quantitative Aptitude

51. How many numbers are there from 300 to 650 which are completely divisible by both 5 and 7?
    (a) 8
    (b) 9
    (c) 10
    (d) 12
    Answer: (c)

52. Raman can do a work in 5 days, Jatin can do the same work in 7 days and Sachin can do the same work in 9 days. If they do the same work together and they are paid Rs 2860, then what is the share (in Rs) of Raman?
    (a) 1260
    (b) 700
    (c) 900
    (d) 870
    Answer: (a)

53. If the diameter of a sphere is 14 cm, then what is the surface area (in cm2) of the sphere?
    (a) 616
    (b) 308
    (c) 462
    (d) 636
    Answer: (a)

54. After two successive discounts of 20% and 35%, an article is sold for Rs 50700. What is the marked price (in Rs) of the article?

(a) 92500

(b) 98500

(c) 97500

(d) 94000

Answer: (c)

55. Rs 3200 is divided among A, B and C in the ratio of 3 : 5 : 8 respectively. What is the difference (in Rs) between the share of B and C?

(a) 400

(b) 600

(c) 800

(d) 900

Answer: (b)

56. The average of 5 members of a family is 24 years. If the youngest member is 8 years old, then what was the average age (in years) of the family at the time of the birth of the youngest member?

(a) 16

(b) 20

(c) 24

(d) 32

Answer: (b)

57. If the price of pen decreases by 20%, t[illegible] a m[illegible] can buy 10 more pens for Rs 100. What is the new price (in Rs) of each pen?

(a) 1

(b) 2

(c) 4

(d) 5

Answer: (b)

58. After deducting 60% from a certain number and then deducting 15% from the remainder, 1428 is left. What was the initial number?

(a) 4200

(b) 3962

(c) 4150

(d) 4300

Answer: (a)

59. A train travels 40% faster than a car. Both start from point A at the same time and reach point B, 140 km away at the same time. On the way the train takes 25 minutes for stopping at the stations. What is the speed (in km/hr) of the train?

(a) 67

(b) 134.4

(c) 145.9

(d) 160

Answer: (b)

60. A certain sum of money triples itself in 5 years at simple interest. In how many years it will be five times?

(a) 5

(b) 8

(c) 10

(d) 15

Answer: (c)

61. If x + (1/x) = 2, then what is the value of x64 + x121?

(a) 0

(b) 1

(c) 2

(d) – 2

Answer: (a)

63. If a + b + c = 27, then what is the value [illegible] + (b – 9)3 + (c – 11)3 – 3(a – 7)(b – 9)(c – 11)?

(a) 0

(b) 9

(c) 27

(d) 81

Answer: (a)

65. The perimeter of an isosceles triangle is 32 cm and each of the equal sides is 5/6 times of the base. What is the area (in cm2) of the triangle ?

(a) 39

(b) 48

(c) 57

(d) 64

Answer: (b)

66. If length of each side of a rhombus PQRS is 8 cm and ∠PQR = 120°, then what is the length (in cm) of QS?

(a) $4\sqrt{5}$

(b) 6

(c) 8

(d) 12

Answer: (c)

71. What is the simplified value of 1 + tan A tan (A/2)?

(a) sin A/2

(b) cos A

(c) sec A

(d) sin A

Answer: (c)

72. How many shoes are there of Reebok brand?

(a) 230

(b) 276

(c) 286

(d) 216

Answer: (b)

73. What is the difference in number of shoes of Puma and Vans?

(a) 96

(b) 156

(c) 84

(d) 112

Answer: (a)

74. The difference between the number of shoes of Reebok and Nike is same as the difference between which of the following two brands?

(a) Puma and Adidas

(b) Reebok and Adidas

(c) Vans and Nike

(d) Nike and Adidas

Answer: (c)

75. Puma shoes are how much percent more than the Nike Shoes?

(a) 14.28

(b) 16.66

(c) 25

(d) 21.33

Answer: (b)

English Comprehension

76. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'. No sooner did I come out of my home to go to market (1)/ when it started raining heavily (2)/ which drenched me completely. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

77. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'. Unless you don't obey (1)/ your elders you (2)/ will not succeed in your life. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (a)

78. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option. Fourteen kilometres _____ not a short distance, to return to my office daily.

(a) are

(b) has

(c) have

(d) is

Answer: (d)

79. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option. Good reading _____ the sense of liberal educated mind.

(a) beliefs

(b) leads

(c) reflects

(d) starts

Answer: (c)

80. In the following question, out of the four alternatives, select the word similar in meaning to the word given. Frivolous

(a) Captious

(b) Wise

(c) Puerile

(d) Spiritual

Answer: (c)

81. In the following question, out of the four alternatives, select the word similar in meaning to the word given. Petrify

(a) Adorn

(b) Calm

(c) Curious

(d) Harden

Answer: (d)

82. In the following question, out of the four alternatives, select the word opposite in meaning to the word given. Gregarious

(a) Affable

(b) Genial

(c) Introvert

(d) Urbane

Answer: (c)

83. In the following question, out of the four alternatives, select the word opposite in meaning to the word given. Tremulous

(a) Feeble

(b) Frugal

(c) Stable

(d) Vital

Answer: (c)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. The alpha and the omega

(a) Happy and sad

(b) The beginning and the end

(c) The love and the hatred

(d) Truth and dare

Answer: (b)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Throw up the sponge

(a) To attack

(b) To laugh at someone

(c) To surrender

(d) To talk loudly

Answer: (c)

86. Improve the bracketed part of the sentence. I had (a few) eggs in the fridge, so we need to go to the market to buy them.

(a) a little

(b) few

(c) little

(d) No improvement

Answer: (b)

87. Improve the bracketed part of the sentence. My brother is indifferent (about) whatever I say.

(a) in

(b) of

(c) to

(d) No improvement

Answer: (c)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. A funeral poem

(a) Elegy

(b) Pandemonium

(c) Parody

(d) Sonnet

Answer: (a)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One who walks in sleep

(a) Drover

(b) Fastidious

(c) Numismatist

(d) Somnambulist

Answer: (d)

90. In the following question, four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.

(a) Gaurantee

(b) Itinerary

(c) Magnificent

(d) Writing

Answer: (a)

91. In the following question, four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.

(a) Etiquete

(b) Exquisite

(c) Restaurant

(d) Scavenger

Answer: (a)

92. The question below consists of a set of labelled sentences. These sentences, when properly sequenced form a coherent paragraph. Select the most logical order of sentences from among the options. P-But he did not know how to find one at that hour. Q-It was his first visit to the city and he didn't know where to go. R-Mohanlal's train was late and it reached Kolkata a little after midnight. S-He thought he would go to a choultry where he would not have to pay rent.

(a) PSQR

(b) QRSP

(c) RQSP

(d) RSQP

Answer: (c)

93. The question below consists of a set of labelled sentences. These sentences, when properly sequenced form a coherent paragraph. Select the most logical order of sentences from among the options. P-And slowly, you reach the pinnacle of self-awareness, experiencing a unity with all life. Q-If you transform your energy positively, it naturally becomes compassion and love. R-Once you experientially are a part of everything then nobody needs to teach you morality. S-Then you can do something to improve the situation, but without anger

(a) PQRS

(b) QPRS

(c) RQPS

(d) RSPQ

Answer: (b)

94. In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice. Ram was singing a beautiful song for his mother.

(a) A beautiful song was being sung by Ram for his mother.

(b) A beautiful song was sang by Ram for his mother.

(c) A beautiful song was sung by Ram for his mother.

(d) A beautiful song was sung for his mother by Ram.

Answer: (a)

95. In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech. Priya advised me not to go to school the next day.

(a) "Don't go to school next day" Priya said to me.

(b) "Don't go to school tomorrow" Priya said to me.

(c) Priya said, "Will you not go to school tomorrow?"

(d) Priya told me that, "Don't go to school tomorrow."

Answer: (b)

Passage — for questions 96–100

> In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives. Job performance is _____ by a number of factors. Motivation alone does not lead to increased performance. Ability and technology moderates the relationship between motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be. However, increasing motivation beyond an _____ level tends to _____ a dysfunctional result because it is _____ by an increased level of anxiety.

96. Job performance is _____ by a number of factors. Motivation alone

(a) affected

(b) effected

(c) influenced

(d) measured

Answer: (a)

97. motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be.

(a) higher

(b) larger

(c) lower

(d) smaller

Answer: (a)

98. However, increasing motivation beyond an _____ level

(a) certain

(b) desired

(c) increased

(d) optimal

Answer: (d)

99. tends to _____ a dysfunctional result

(a) deduce

(b) introduce

(c) produce

(d) reduce

Answer: (c)

100. because it is _____ by an increased level of anxiety.

(a) abandoned

(b) accompanied

(c) affiliated

(d) amalgamated

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

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(a)**	53	**(a)**	54	**(c)**	55	**(b)**	56	**(b)**	57	**(b)**	58	**(a)**
59	**(b)**	60	**(c)**	61	**(a)**	63	**(a)**	65	**(b)**	66	**(c)**	71	**(c)**	72	**(b)**
73	**(a)**	74	**(c)**	75	**(b)**										

English Comprehension

76	**(b)**	77	**(a)**	78	**(d)**	79	**(c)**	80	**(c)**	81	**(d)**	82	**(c)**	83	**(c)**
84	**(b)**	85	**(c)**	86	**(b)**	87	**(c)**	88	**(a)**	89	**(d)**	90	**(a)**	91	**(a)**
92	**(c)**	93	**(b)**	94	**(a)**	95	**(b)**	96	**(a)**	97	**(a)**	98	**(d)**	99	**(c)**
100	**(b)**														