PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 18 August 2017, Shift 2

SSC CGL · 18 August 2017 · Shift 2

88 of the paper's 97 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 9 (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 18 August 2017, Shift 2. 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-1-18-aug-shift-2/

General Intelligence and Reasoning

1. Select the odd word from the given alternatives.
   (a) Wall clock
   (b) Painting
   (c) Photo frame
   (d) Carpet
   Answer: (d)

2. Select the odd letters from the given alternatives.
   (a) LMN
   (b) PPQ
   (c) RST
   (d) VWX
   Answer: (b)

3. Select the odd number from the given alternatives.
   (a) 80
   (b) 17
   (c) 13
   (d) 31
   Answer: (a)

4. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. yes, rain, alive, subtle, ?
   (a) airport
   (b) smoke
   (c) inch
   (d) fabulous
   Answer: (a)

6. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. 1, 0.25, 1/9, ? , 0.04, 1/36

(a) 0.0625

(b) 0.025

(c) 1/8

(d) 1/6

Answer: (a)

7. Eshan's birthday is on Friday 10th March. On what day of the week will be Shlok's Birthday in the same year if Shlok was born on 25th September?

(a) Monday

(b) Wednesday

(c) Friday

(d) Thursday

Answer: (a)

8. The weights of 4 boxes are 70, 50, 30 and 90 kilograms. Which of the following cannot be the total weight,in kilograms, of any combination of these boxes and in a combination a box can be used only once?

(a) 220

(b) 240

(c) 210

(d) 170

Answer: (a)

9. From the given words, select the word whic[illegible]ot be formed using the letters of the given word. SHORTING

(a) THORN

(b) NITRO

(c) NOISE

(d) STING

ENROLL NOW
READ THEIR STORIES !

Answer: (c)

10. If BAPTISM is coded as DCRVKUO, then how will TIN be coded as?

(a) VKP

(b) EBC

(c) FDF

(d) CLS

Answer: (a)

11. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question? 45 x 5 - 24 + 3 ÷ 80 = ?

(a) 100

(b) 52

(c) 1

(d) 82

Answer: (c)

12. If 5$125 = 25, 12$48 = 4 then what is the value of 4$24 = ?

(a) 34

(b) 35

(c) 6

(d) 5

Answer: (c)

14. Two planes start from the same airport. A flies 50 km East. B flies 15 km North, then turns East and flies 20 km, then turns to its right and flies 15 km. Where is B with respect to A now?

(a) 30 km East

(b) 70 km East

(c) 30 km West

(d) 70 km West

Answer: (c)

15. In the question a statement is given, followed by two arguments, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, is strong argument. Statement : Should zoos be closed down? Argument I : Yes, imprisoning animals is a crime. Argument II : No, it is fine if some animals are kept in captivity for sake of entertainment.

(a) if only argument I is strong.

(b) if only argument II is strong.

(c) if both I and II are strong.

(d) if neither I nor II is strong.

Answer: (a)

23. From which of the following, is the GDP of a country not derived from?

(a) Agricultural sector

(b) Industrial sector

(c) International sector

(d) Service sector

Answer: (c)

24. _____ is the set of all possible combinations of the two inputs that yield the same maximum possible level of output.

(a) The Short Run

(b) The Long Run

(c) Isoquant

(d) Average product

Answer: (c)

25. _____ means that the President of India can refer any matter that is of public importance or that which involves interpretation of Constitution to Supreme Court for advice.

(a) Original Jurisdiction

(b) Writ Jurisdiction

(c) Appellate Jurisdiction

(d) Advisory Jurisdiction

Answer: (d)

General Awareness

26. There are total _____ parliamentary seats (Rajya Sabha constituency) in Sikkim.

(a) 11

(b) 19

(c) 10

(d) 1

Answer: (d)

27. Dara Shikoh was killed in conflict with his b. _____.

(a) Jahangir

(b) Aurangzeb

(c) Babur

(d) Shah Jahan

Answer: (b)

28. The Arabic work of al-Biruni that gave an account of the subcontinent is called _____.

(a) Kitab - Al Hind

(b) Kitab - Al Bharat

(c) Pustak - Al Hind

(d) Pustak - Al Bharat

Answer: (a)

29. How many union territories does India have as of June 2017?

(a) 7

(b) 6

(c) 5

(d) 4

Answer: (a)

30. The northern plain of India is formed of _____.
    (a) metamorphic soil
    (b) igneous rocks
    (c) alluvial soil
    (d) old crystalline rocks

    Answer: (c)

31. Lion, Leopard and Tiger are all species of which genus?
    (a) Solanum
    (b) Panthera
    (c) Felis
    (d) Tigris

    Answer: (b)

32. _____ are made up of sclerenchymatous cells. These are generally absent in the primary phloem but are found in the secondary phloem. _____
    (a) Xylem fibres
    (b) Xylem parenchyma
    (c) Phloem parenchyma
    (d) Phloem fibres

    Answer: (d)

33. What type of a body plan does coelenterates, ctenophores and echinoderms have?
    (a) Annelida
    (b) Radial
    (c) Bilateral
    (d) Platyhelminthes

    Answer: (b)

34. If the speed of an object moving along a straight line is constant, its motion is said to be _____.
    (a) Uniform
    (b) Periodic
    (c) Circular
    (d) Non-uniform

    Answer: (a)

35. The strength of a force is usually expressed by its _____.
    (a) Motion
    (b) Direction
    (c) Interaction
    (d) Magnitude

    Answer: (d)

36. _____ is not a storage device.
(a) iPod
(b) Pen drives
(c) Linux
(d) Flash Disks
Answer: (c)

37. Magnesium (Mg) + Oxygen (O2) = ?
(a) Mg2O
(b) MgO4
(c) O2Mg
(d) MgO
Answer: (d)

38. What is the reaction between an acid and a base called?
(a) Desalination
(b) Crystallisation
(c) Neutralisation
(d) Sublimation
Answer: (c)

39. According to an estimate, almost ___ percent forests have been lost in the tropics, compared to only 1 percent in the temperate region.
(a) 20
(b) 40
(c) 60
(d) 80
Answer: (b)

40. _____ scheme launched by the Central Government is a new crop insurance scheme to boost farming sector in the country.
(a) Soil Health Card
(b) Shyama Prasad Mukherji R-urban Mission
(c) Pradhan Mantri Fasal Bima Yojana
(d) National R-URBAN Mission
Answer: (c)

41. Who discovered Proton?
(a) Ernest Rutherford
(b) Friedrich Miescher
(c) Henri Becquerel
(d) Henry Cavendish
Answer: (a)

42. Who is the winner of 2017 Indian Premier League (Cricket)?
    (a) Mumbai Indians
    (b) Rising Pune Supergiant
    (c) Delhi Daredevils
    (d) Sunrisers Hyderabad

    Answer: (a)

43. In which city of India is Dhamek Stupa located?
    (a) Pune
    (b) Delhi
    (c) Varanasi
    (d) Hyderabad

    Answer: (c)

44. Which of the following was the winner of the Grammy Awards 2016 "Song of the Year"?
    (a) Alright
    (b) Blank Space
    (c) Girl Crush
    (d) Thinking Out Loud

    Answer: (d)

45. Which of the statements given below are correct? 1. The author of the novel 'Dodgers' is Don Winslow. 2. The author of the novel 'Forty Thieves' is Paul Beverly. 3. The author of the novel 'The Corrections' is Thomas Perry.
    (a) 1 and 2
    (b) 2 and 3
    (c) 1 and 3
    (d) 1, 2 and 3

    Answer: (d)

46. What was Australia's rank in 2016 Human Development Index published by the United Nations Development Programme?
    (a) 2
    (b) 20
    (c) 100
    (d) 200

    Answer: (a)

47. The Samjhauta Express runs between Delhi to which city in Pakistan?
    (a) Karachi
    (b) Islamabad
    (c) Quetta
    (d) Lahore

    Answer: (d)

48. What is the largest 4 digit number that is exactly divisible by 93?
    (a) 9961
    (b) 9971
    (c) 9981
    (d) 9951

    Answer: (d)

49. A, B and C can finish a job working alone in 20, 30 and 60 days respectively. They all work together for 1 day, then A and B quit. How many days C working alone will take to finish the remaining part of the job?
    (a) 60
    (b) 54
    (c) 6
    (d) 27

    Answer: (b)

50. What is the area (in sq cm) of a rectangle of perimeter 90 cm and breadth 20 cm?
    (a) 500
    (b) 400
    (c) 250
    (d) 450

    Answer: (a)

Quantitative Aptitude

51. If the selling price of an item is Rs 9750 after allowing a discount of 25%, then what was its marked price (in Rs)?
    (a) 13000
    (b) 12187
    (c) 14000
    (d) 13187

    Answer: (a)

52. If 3A = 2B = 4C; then what is A : B : C?
    (a) 3 : 2 : 4
    (b) 6 : 4 : 3
    (c) 4 : 6 : 3
    (d) 2 : 3 : 4

    Answer: (c)

53. The average cost of 5 items in a shopping list is Rs 650. If one more item whose cost is Rs 1400 is added to the list what will be the new average (in Rs)?

(a) 775
(b) 875
(c) 725
(d) 825

Answer: (a)

54. If a vendor sells apples at Rs 170 per kg he suffers 15% loss. If he sells at Rs 230 per kg, then what is his profit percentage?

(a) 15
(b) 10
(c) 5
(d) 20

Answer: (a)

55. If 40 is 0.05% of x, then what is the value of x?

(a) 80000
(b) 8000
(c) 800
(d) 80

Answer: (a)

56. A taxi going at 90 km/hr takes 35 minutes to travel a certain distance. By how much should it increase its speed (in km/hr) to travel the same distance in 21 minutes?

(a) 60
(b) 150
(c) 120
(d) 90

Answer: (a)

57. If compound interest received on a certain amount in the 2nd year is Rs 1200, what will be the compound interest (in Rs) for the 4th year on the same amount at 10% rate of interest?

(a) 1452
(b) 1320
(c) 1552
(d) 1420

Answer: (a)

58. If 17/3 + [3(2x - 5/3)]/2 = 1/6, then what is the value of x?

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

Answer: (d)

59. If a + b = 5 and ab = 6, then what is the value of a3 + b3 ?
    (a) 32
    (b) 38
    (c) 35
    (d) 34
    Answer: (c)

60. The sum of a fraction and 3 times its reciprocal is 37/10. What is the fraction?
    (a) 5/2
    (b) 2/5
    (c) 5/4
    (d) 4/5
    Answer: (a)

61. The 4th and 7th term of an arithmetic progression are 11 and -4 respectively. What is the 15th term?
    (a) -49
    (b) -44
    (c) -39
    (d) -34
    Answer: (b)

62. What is the reflection of the point (5 , -1) in the line y = 2?
    (a) (5, -5)
    (b) (-5, -5)
    (c) (5, 5)
    (d) (-5, 5)
    Answer: (c)

63. In what ratio is the segment joining points (2, 3) and (-2, 1) divided by the Y-axis?
    (a) 1 : 2
    (b) 1 : 1
    (c) 3 : 1
    (d) 2 : 3
    Answer: (b)

64. What is the slope of the line 2x - 5y = 12?
    (a) 2/5
    (b) 5/2
    (c) -2/5
    (d) -5/2
    Answer: (a)

65. Triangle ΔXYZ is similar to ΔPQR. If XY:PQ=5:1. If Area of ΔPQR is 5 sq cm, what is the area (in sq cm) of ΔXYZ?

(a) 125
(b) 120
(c) 100
(d) 64

Answer: (a)

66. What is the value of Cot 60o - Sec 30o?

(a) -1/3
(b) -1/√3
(c) 1/√3
(d) 1/3

Answer: (b)

67. Δ ABC is right angled at B. If m∠A = 30°. What is the length (in cm) of AB, if AC = 8 cm?

(a) 2√3
(b) 4√3
(c) 4/√3
(d) 2/√3

Answer: (b)

68. If Cot θ = 24/7, then what is the value of Sec θ?

(a) 7/25
(b) 25/24
(c) 8/25
(d) 9/25

Answer: (b)

69. In how many years was the number of admissions greater than that of the previous year?

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

Answer: (b)

70. Ignoring year 2016 how many students took admission in the coaching centre since its inception in the year 2011?

(a) 1300
(b) 1200
(c) 900
(d) 1000

Answer: (d)

71. Admissions in the year 2014 grew by _____ percent as compared to the previous year.

(a) 50

(b) 100

(c) 40

(d) 66.67

Answer: (d)

72. If fees charged by the coaching centre was Rs 10000 for the first 3 years and Rs 12000 for the next three years then what is the total fees (in Rs. Crores) collected by the coaching centre in the last six years?

(a) 1.48

(b) 1.38

(c) 1.28

(d) 1.18

Answer: (a)

73. 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'. They did nothing (1)/ that was down the (2)/ dignity of princes. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

74. 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'. What are (1)/ you doing (2)/ by here? (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

75. 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. Do you _____ own a copy of Shakespeare's Hamlet?

(a) chance

(b) chances

(c) perchance

(d) by chances

Answer: (c)

English Comprehension

76. 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. A police detective often finds himself in the position of having to _____ between a lie and a truth.

(a) extinguish

(b) distinguish

(c) finish

(d) languish

Answer: (b)

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

(a) Opprobrium

(b) Reproach

(c) Disrepute

(d) Celebrate

Answer: (d)

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

(a) Referendum

(b) Tyranny

(c) Despotism

(d) Monarchy

Answer: (a)

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

(a) Binge

(b) Frenzy

(c) Harmony

(d) Turmoil

Answer: (c)

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

(a) Pious

(b) Profane

(c) Sacrilegious

(d) Irreligious

Answer: (a)

81. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. To have something on the brain

(a) To be obsessed with something

(b) To be ready with an immediate smart witty reply

(c) To unable to solve a particularly difficult philosophical problem

(d) To think wistfully about past life

Answer: (a)

82. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Not one's cup of tea

(a) To stop having breakfast

(b) To accept defeat even before attempting to take up the challenge

(c) To be satisfied with less

(d) Not one's choice or preference

Answer: (d)

83. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". The battle (to rage) for some time.

(a) is raging

(b) has been raged

(c) had been raging

(d) no improvement

Answer: (c)

84. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". She glanced back to make sure she (wasn't to be) observed.

(a) wasn'tbe

(b) weren't being

(c) wasn'tbeing

(d) no improvement

Answer: (c)

85. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. The crime of betraying one's country

(a) Treason

(b) Frankness

(c) Fidelity

(d) Allegiance

Answer: (a)

86. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. Fanatical and uncompromising pursuit of ideals

(a) Nonpartisan

(b) Zealotry

(c) Neutral

(d) Aloof

Answer: (b)

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

(a) Composure

(b) Cumposure

(c) Composore

(d) Cumposore

Answer: (a)

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

(a) Alliviate

(b) Aleviate

(c) Alleviate

(d) Aliviate

Answer: (c)

89. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. "Phew," said I, grabbing X-cheerfully round my head Y-at the halo of flies Z-which buzzed

(a) YZX

(b) YXZ

(c) XZY

(d) XYZ

Answer: (a)

90. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. The investigations of the X-peculiar place in the economy of the body Y-physiologist and the psychologist Z-have revealed that the brain holds a

(a) YXZ

(b) XZY

(c) XYZ

(d) YZX

Answer: (d)

91. 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. The choir really enjoys that piece.

(a) That piece are really enjoyed by the choir.

(b) That piece is really enjoyed by the choir.

(c) Enjoyment of that piece is done by the choir.

(d) Enjoying of that piece is done by the choir.

Answer: (b)

92. 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. Akash said, "Mahesh has gone home."

(a) Akash said that Mahesh has gone home.

(b) Akash said then Mahesh had gone home.

(c) Akash said then Mahesh has gone home.

(d) Akash said that Mahesh had gone home.

Answer: (d)

Passage — for questions 93–97

> 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. Most _____ of all to the rambler on avian lore intent is the fact that there are many species and genera that are peculiar to the West, and _____ new to him, keeping him constantly on the 'qui vive'. _____ Colorado you will look in vain for the common blue jay, so abundant in all parts of the East; but you will be more _____ compensated by the presence of several other species _____ the jay household.

93. Most _____ of all to the rambler

(a) interesting

(b) interest

(c) interested

(d) interests

Answer: (a)

94. West, and _____ new to him, keeping him constantly on the 'qui vive'.

(a) therefore

(b) because

(c) if

(d) for

Answer: (a)

95. _____ Colorado you will look in vain for the common blue jay

(a) On

(b) In

(c) Into

(d) Onto

Answer: (b)

96. but you will be more _____ compensated
    (a) then
    (b) that
    (c) than
    (d) this
    Answer: (c)

97. presence of seven other species _____ the jay household.
    (a) for
    (b) to
    (c) of
    (d) off
    Answer: (c)

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	**(b)**	3	**(a)**	4	**(a)**	6	**(a)**	7	**(a)**	8	**(a)**	9	**(c)**
10	**(a)**	11	**(c)**	12	**(c)**	14	**(c)**	15	**(a)**	23	**(c)**	24	**(c)**	25	**(d)**

General Awareness

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

Quantitative Aptitude

51	**(a)**	52	**(c)**	53	**(a)**	54	**(a)**	55	**(a)**	56	**(a)**	57	**(a)**	58	**(d)**
59	**(c)**	60	**(a)**	61	**(b)**	62	**(c)**	63	**(b)**	64	**(a)**	65	**(a)**	66	**(b)**
67	**(b)**	68	**(b)**	69	**(b)**	70	**(d)**	71	**(d)**	72	**(a)**	73	**(b)**	74	**(c)**
75	**(c)**														

English Comprehension

76	**(b)**	77	**(d)**	78	**(a)**	79	**(c)**	[illegible]	**(a)**	81	**(a)**	82	**(d)**	83	**(c)**
84	**(c)**	85	**(a)**	86	**(b)**	87	**(a)**	[illegible]	**(c)**	89	**(a)**	90	**(d)**	91	**(b)**
92	**(d)**	93	**(a)**	94	**(a)**	95	[illegible]	[illegible]	**(c)**	97	**(c)**				