PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 1 September 2016, Shift 2

SSC CGL · 1 September 2016 · 1:15 PM - 2:30 PM

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 1 September 2016, 1:15 PM - 2:30 PM. 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-1-1-sep-shift-2/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Aviator : Aviates :: Senator : ?
   (a) Diagnosis
   (b) Legislates
   (c) Checks
   (d) Commands
   Answer: (b)

2. Select the related word/letters/number from the given alternatives. ABDG : CDFI :: EFHK : ?
   (a) GHJM
   (b) HILN
   (c) HIMN
   (d) HIKM
   Answer: (a)

3. Select the related word/letters/number from the given alternatives. 26 : 48 :: 82 : ?
   (a) 125
   (b) 122
   (c) 115
   (d) 120
   Answer: (d)

4. For the following questions Find the odd word/letters/number pair from the given alternatives.
   (a) Cow
   (b) Buffalo
   (c) Horse
   (d) Goat
   Answer: (c)

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

(a) BDFH

(b) ACEG

(c) IKMO

(d) RTVW

Answer: (d)

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

(a) 93

(b) 79

(c) 97

(d) 89

Answer: (a)

7. Arrange the following words as per order in the dictionary 1. Eyelid 2. Eyeless 3. Eyesore 4. Eyesight

(a) 2, 1, 4, 3

(b) 2, 1, 3, 4

(c) 4, 3, 1, 2

(d) 4, 2, 3, 1

Answer: (a)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
NOA, PQB, RSC, ?

(a) TUD

(b) TVD

(c) TUE

(d) TVE

Answer: (a)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
10, 18, 28, 40, ?

(a) 58

(b) 46

(c) 52

(d) 54

Answer: (d)

10. The age of the father 4 years ago was 8 times the age of his son. At present, the father's age is 4 times that of his son. Find the present age of son.

(a) 9 years

(b) 7 years

(c) 14 years

(d) 18 years

Answer: (b)

11. Prema is Ajay's sister. Benita is Ajay's mother. Benjamin is Benita's father. Leela is Benjamin's mother. How is Prema related to Leela

(a) Daughter-in-law

(b) Daughter

(c) Grand Daughter

(d) Great Grand Daughter

Answer: (d)

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

(a) OPEN

(b) PLEASE

(c) CANOPY

(d) PLEAD

Answer: (b)

13. If POPULAR is coded as QPQVMBS the[illegible]MO[illegible] will be coded as?

(a) GBNPUT

(b) GNBPTV

(c) GBNPVS

(d) GBNPVT

Answer: (d)

14. If 1 x 3 x 5 = 1925 and 7 x 9 x 11 = 4981121 , then find the value of 19 x 21 x 23 = ?

(a) 361529441

(b) 361441289

(c) 441361289

(d) 361441529

Answer: (d)

15. If - stands for division, + for multiplication, ÷ for subtraction, x for addition, then which of the following equations is correct?

(a) 20 - 4 + 6 ÷ 9 x 4 = 25

(b) 20 + 6 - 4 x 9 ÷ 6 = 32

(c) 20 ÷ 9 x 9 - 4 + 6 = 33

(d) 20 x 4 - 6 - 4 + 9 = 20

Answer: (a)

16. Find the missing number

(a) 15

(b) 12

(c) 11

(d) 16

Answer: (b)

17. P, Q, R and S are playing a game of carrom. P, R and S, Q are partners. 'S' is to the right of 'R'. If 'R' is facing West, then 'Q' is facing which direction?

(a) North

(b) South

(c) East

(d) West

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: Nutritious food is delicious and good for health. Honey is nutritious. Conclusions: I. Honey is good for health. I I. Delicious foods are nutritious.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Neither conclusion I nor conclusion II follows

(d) Both conclusion I and conclusion II follow

Answer: (a)

25. A word is represented by only one set of [illegible] s 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., 'A' can be represented by 02, 65, etc., and 'S' can be represented by 56, 68, etc. Similarly you have to identify the set for the word 'RATE'

(a) 22, 24, 75, 99

(b) 66, 77, 68, 23

(c) 44, 77, 22, 87

(d) 22, 77, 79, 76

Answer: (a)

General Awareness

26. Special Drawing Rights were created by

(a) IBRD

(b) ADB

(c) IMF

(d) WTO

Answer: (c)

27. In which of the following States India's first Green Rail Corridor was recently launched
    (a) Karnataka
    (b) Maharashtra
    (c) Himachal Pradesh
    (d) Tamil Nadu

    Answer: (d)

28. The Andaman is separated from Nicobar by which water body?
    (a) 11° channel
    (b) 10° Channel
    (c) Palk Strait
    (d) Gulf of Mannar

    Answer: (b)

29. The suicidal bags of the cell are
    (a) Lysosomes
    (b) Ribosomes
    (c) Dictyosomes
    (d) Phagosomes

    Answer: (a)

31. In India, which city is also known as 'City of Palac
    (a) Jaipur
    (b) Kolkata
    (c) Gwalior
    (d) Udaipur

    Answer: (b)

32. Inert gases are
    (a) Miscible with water
    (b) Not stable
    (c) Chemically unreactive
    (d) Chemically very active

    Answer: (c)

33. Chemical name of vinegar is
    (a) Acetone
    (b) Acetic acid
    (c) Formaldehyde
    (d) Ethanol

    Answer: (b)

34. Jalikattu is associated with which Indian festival?
    (a) Onam
    (b) Pongal
    (c) Bihu
    (d) Hornbill

    Answer: (b)

35. Aung San Suu Kyi is the
    (a) Prime Minister of Myanmar
    (b) President of Myanmar
    (c) Foreign Minister of Myanmar
    (d) Home Minister of Myanmar

    Answer: (c)

36. The amount of insurance cover provided by Indian Railways for passengers at a premium of Re. 1 is
    (a) ₹ One lakh
    (b) ₹ Fifty thousands
    (c) ₹ Ten lakhs
    (d) ₹ Five lakhs

    Answer: (c)

37. The members of the Rajya Sabha are elected by
    (a) Elected members of the Legislative Assemb
    (b) Elected members of Legislative Cou
    (c) The people
    (d) Lok Sabha

    Answer: (a)

38. Which of these is a dwarf planet?
    (a) Neptune
    (b) Titan
    (c) Eris
    (d) Hydra

    Answer: (c)

39. The concept of joint sector implies cooperation between
    (a) Public sector and private sector industries
    (b) State Government and Central Government
    (c) Domestic and Foreign Companies
    (d) None of these

    Answer: (a)

40. What was the chief objective of the 'Wahabi movement'?
    (a) Forge cordial relations with the British
    (b) Purify Islam
    (c) Improve the condition of women
    (d) Adopt rational education

    Answer: (b)

41. The Ghatampur thermal power plant recently approved by Cabinet is to be setup in
    (a) Rajasthan
    (b) Uttar Pradesh
    (c) Karnataka
    (d) Madhya Pradesh

    Answer: (b)

42. Who among the following is credited with starting the work on plant tissue culture?
    (a) F.C. Steward
    (b) P. Maheshwari
    (c) P.R. White
    (d) Haberlandt

    Answer: (d)

43. What causes the mottling of the dental enamel ?
    (a) High levels of chlorine in water
    (b) High levels of nitrate in the water
    (c) High levels of fluorides in the water
    (d) High levels of calcium in the water

    Answer: (c)

44. Which one of the following processes is responsible for the glittering of air bubble rising through water?
    (a) Reflection of light
    (b) Refraction of light
    (c) Total internal reflection of light
    (d) Scattering of light

    Answer: (c)

45. In an optical fibre the signal is transmitted
    (a) in a straight line path
    (b) In a curved path
    (c) due to total internal reflection
    (d) Due to refraction

    Answer: (c)

46. In IT, the method for updating the main memory as soon as a word is removed from the cache is called
    (a) Write-through
    (b) Write-back
    (c) Protected-write
    (d) Cache-write

    Answer: (b)

47. Which one of the following is not a non-conventional source of energy?
    (a) Solar Energy
    (b) Natural Gas
    (c) Wind Energy
    (d) Tidal Power

    Answer: (b)

48. The space shuttle which took Sunita Williams beyond earth was
    (a) Challenger
    (b) Galileo
    (c) Discovery
    (d) Voyager-2

    Answer: (c)

49. Selling cost have to be incurred in case of
    (a) Perfect competition
    (b) Monopoly
    (c) Monopolistic Competition
    (d) None of the given options

    Answer: (c)

50. The earliest reference to sati custom is made in which of the following inscriptions?
    (a) Allahabad Pillar inscription
    (b) Eran inscription of Bhanugupta
    (c) Aihole inscription of Pulkesin II
    (d) Bhitan inscription of Skandgupta

    Answer: (b)

Quantitative Aptitude

51. Ram and Hari can cut 12 kgs nuts in 2 days. After 5 days, Hari left the work. Ram took 8 more days to cut the rest of the nuts. If total of 58 kgs of nuts were cut, the time taken by Hari to cut 10 kg of nuts is

(a) 1 day

(b) 2 days

(c) 3 days

(d) 4 days

Answer: (d)

52. A trader marks his goods in such a way that after allowing a discount of 10% he gains 15%. If an article costs him Rs. 720, his marked price is

(a) Rs.920

(b) Rs.900

(c) Rs.820

(d) Rs.950

Answer: (a)

53. If a certain amount is fully distributed among A, B & C in such a way that A receives 1/2 of the amount, B receives 1/3 of the amount and C receives ₹ 1200, then how much money would A receive

(a) 4000

(b) 1600

(c) 3600

(d) 1800

Answer: (c)

54. The selling price of an article is 8/5th of its [illegible] price. Then the gain percentage is

(a) 20%

(b) 28%

(c) 60%

(d) 68%

Answer: (c)

56. A passenger train running at the speed of 80 kms/hr leaves the railway station 6 hours after a goods train leaves and overtakes it in 4 hours. What is the speed of the goods train?

(a) 32 kms/hr

(b) 50 kms/hr

(c) 45 kms/hr

(d) 64 kms/hr

Answer: (a)

57. How much simple interest will Rs. 4000 earn in 18 months at 12% per annum?

(a) Rs.216

(b) Rs.360

(c) Rs.720

(d) Rs.960

Answer: (c)

60. The mid points of AB and AC of the Δ ABC are P and Q respectively. If PQ = 6 cm, then the side BC is

(a) 10 cm

(b) 12 cm

(c) 8 cm

(d) 14 cm

Answer: (b)

61. The difference between the largest and the smallest angles of a triangle whose angles are in the ratio of 5:3:10 is

(a) 20°

(b) 30°

(c) 50°

(d) 70°

Answer: (d)

62. If SinΘ = √3/2 and 0°<Θ<90°, then the value of (Θ-15°) is

(a) 1

(b) √3

(c) 1/√3

(d) √2

Answer: (a)

63. Find the greatest number that will divide 390, 495 and 300 without leaving a remainder

(a) 5

(b) 15

(c) 25

(d) 35

Answer: (b)

64. The average age of 30 boys in a class is 10 years. If the age of their teacher is also included, the average increases by one year. The teacher's age in years is

(a) 38

(b) 40

(c) 30

(d) 41

Answer: (d)

67. If O is the centroid and AD, BE and CF are the three medians of Δ ABC with an area of 96 cm2 then the area of Δ BOD in cm2 is

(a) 8

(b) 12

(c) 16

(d) 24

Answer: (c)

68. Two chords AB and PQ of a circle intersect at D inside a circle. If AD = 4 cm, DB = 6 cm, QD = 3 cm, the length of PQ is equal to

(a) 11 cm

(b) 8 cm

(c) 9cm

(d) 10 cm

Answer: (a)

70. A cylindrical vessel of radius 4 cm contains water . A solid sphere of radius 3 cm is dipped into the water until it is completely immersed . The water level in the vessel will rise by

(a) 3.5 cm

(b) 2.25 cm

(c) 2 cm

(d) 3.8 cm

Answer: (b)

71. The angle of elevation of the top of a tc ˜ fro wo horizontal points (in opposite sides) at distances of 25 meter and 64 meter from the . / tower are x and 90° - x respectively . The height of the tower will be

(a) 39 m

(b) 89 m

(c) 1 . 6 m

(d) 40 m

Answer: (d)

72. The bar-chart is showing the number of accidents in a city during the first six month of a year . Examine the bar chart and answer the following questions
What is the % of accidents in the month of April to the total accidents in the city ?

(a) 15%

(b) 20%

(c) 22%

(d) 24%

Answer: (d)

73. The bar-chart is showing the number of accidents in a city during the first six month of a year . Examine the bar chart and answer the following questions
Compared to the month of January, what is the percentage of decrease in accidents in the month of February ?

(a) 25
(b) 24
(c) 30
(d) 27

Answer: (b)

74. The bar-chart is showing the number of accidents in a city during the first six month of a year . Examine the bar chart and answer the following questions
By what number, is the number of accidents that occurred in April is greater than the average number of accidents that occurred during the 6 months period ?

(a) 13.17
(b) 8
(c) 9
(d) 11

Answer: (a)

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. ADVERSITY

(a) CHANCE
(b) CAPACITY
(c) JOY
(d) MISFORTUNE

Answer: (d)

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. TERMINATE

(a) CONFINE
(b) REPEAL
(c) COMMENCE
(d) PROGRESS

Answer: (c)

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) Quintessance
(b) Quintessence
(c) Quaintessence
(d) Quintassence

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. If the farmer got a washing machine(A)/his wife can(B)/do the laundry quickly(C)/No error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (b)

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 had often heard(A)/about the ship(B)/they have to travel on(C)/No error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (d)

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. He'd no sooner(A)/seen a continent(B)/when he saw another(C)/No error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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 ship with its crew _____ gone to the bottom of the sea.

(a) has

(b) have

(c) are

(d) none

Answer: (b)

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. The peon respectfully asked if he _____ go there

(a) may

(b) might

(c) can

(d) will

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. I know _____ certain that he has gone to England

(a) with

(b) of

(c) by

(d) for

Answer: (d)

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 eat humble pie

(a) To eat an unsavoury pie

(b) To be served food that is rotten

(c) To yield under humiliating circumstances

(d) To give in to political pressure

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. To end in smoke

(a) To fail

(b) To create smoke

(c) To end

(d) To emit smoke

Answer: (a)

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. To spill the beans

(a) To reveal partial truth

(b) To be untidy

(c) To reveal a secret

(d) To conceal a fact

Answer: (c)

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. Committing murder in revenge

(a) Massacre

(b) Vendetta

(c) Homicide

(d) Regicide

Answer: (b)

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. The thing that can be easily broken

(a) Amorphous

(b) Brittle

(c) Subtle

(d) Solid

Answer: (b)

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. An unimportant person

(a) Nonagenarian

(b) Nonentity

(c) Nonpareil

(d) Nonconformist

Answer: (b)

Passage — for questions 96–100

> A passage is given with 5 questions following . d the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it. The stranger agreed to join Robin's band only on one condition. He wanted to join a competition of shooting arrows with Robin. If he was defeated in that competition, he would gladly join Robin and his men. Soon arrangements for the competition was made. Robin's men carved bull's eye on the trunk of a tree at a distance of about fifty yards. Taking out his bow and arrow the man carefully shot an arrow which struck right into the centre of the bull's eye. Robin's men were surprised at the man's skill. Then Robin took the bow and shot an arrow which not only hit the bull's eye in the centre but broke the strangers arrow in the middle. Robin thus proved that he had better skills than the stranger. The stranger was amazed to see this and said," I have never seen such a skill in all my life. it will be a pleasure for me to join you and your men. My name is John Little. Robin and his men gladly welcomed him. But Robin said that from then on he would be known as Little John.

96. What was the stranger's condition for joining Robin's band?

(a) Only if he and Robin have a competition of shooting arrows

(b) Only if he is defeated by Robin in a competition of shooting arrows

(c) Only if he should be better than Robin in shooting arrows

(d) Only if Robin would let him be better at shooting arrows

Answer: (b)

97. What did Robin's men do?
    (a) They refused to let the stranger prove his skills
    (b) They sent the stranger away
    (c) They made arrangements for the competition
    (d) They made the stranger prove his skill

    Answer: (c)

98. How did the stranger know that Robin had better skill than him?
    (a) When Robin's arrow hit the bull's eye
    (b) When Robin agreed to let him compete with him
    (c) When Robin beat him in the competition
    (d) When Robin's arrow hit the bull's eye and broke the stranger's arrow

    Answer: (d)

99. What name did Robin give him?
    (a) Robin Little
    (b) John Little
    (c) Robin
    (d) Little John

    Answer: (d)

100. What did Robin do after the competition?
    (a) He welcomed the stranger to the band and changed his name
    (b) He changed the stranger's name
    (c) He welcomed the stranger
    (d) He sent the stranger away

    Answer: (a)

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

General Awareness

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

Quantitative Aptitude

51	**(d)**	52	**(a)**	53	**(c)**	54	**(c)**	56	**(a)**	57	**(c)**	60	**(b)**	61	**(d)**
62	**(a)**	63	**(b)**	64	**(d)**	67	**(c)**	68	**(a)**	70	**(b)**	71	**(d)**	72	**(d)**
73	**(b)**	74	**(a)**												

English Comprehension

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