PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 10 September 2016, Shift 2

SSC CGL · 10 September 2016 · 1:15 PM - 2:30 PM

82 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: 18 (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 10 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-1-10-sep-shift-2/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Dark:Light :: Noise:?
   (a) Music
   (b) Quiet
   (c) Melody
   (d) Vacuum
   Answer: (b)

2. Select the related word/letters/numbers from the given alternatives: BECD:GJHI :: LOMN:?
   (a) PSRQ
   (b) PQRS
   (c) QTSR
   (d) QTRS
   Answer: (d)

3. Select the related word/letters/numbers from the given alternatives: 27:125 :: 64:?
   (a) 162
   (b) 216
   (c) 273
   (d) 514
   Answer: (b)

4. For the following questions Find the odd word/letters/number pair from the given alternatives
   (a) Meter
   (b) Kilometre
   (c) Decimetre
   (d) Ammeter
   Answer: (d)

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

(a) HP

(b) CJ

(c) FN

(d) RZ

Answer: (b)

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

(a) 52-61

(b) 72-81

(c) 54-63

(d) 33-41

Answer: (d)

7. Arrange the following words as per their order in the dictionary:
1) PHYSICAL 2) PHYSICS 3) PHYSIOLOGY 4) PHYSICIAN 5) PHONE

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

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

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

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

Answer: (a)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series:
BXM, EUP, HRS, ?

(a) XZY

(b) RPN

(c) VTU

(d) KOV

Answer: (d)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series:
68, 72, 65, 69, 62, 66, _?__

(a) 59

(b) 61

(c) 68

(d) 75

Answer: (a)

10. Mohan said 'This girl is the wife of grand-son of my mother'. How is Mohan related to that girl?

(a) Grand-father

(b) Husband

(c) Father

(d) Father-in-law

Answer: (d)

11. Of the six members of a panel sitting in a row, A is to the right of C, but left of B. E is sitting left of C and right of D, who is sitting to the right of F. Find the members sitting at the two ends of the row.

(a) D.F

(b) A.B

(c) D.B

(d) F.B

Answer: (d)

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

(a) BILL

(b) ABILITY

(c) BIG

(d) LEG

Answer: (b)

13. If REDUCE= 56, RECYCLE = 71 then REUSE=?

(a) 65

(b) 68

(c) 69

(d) 70

Answer: (b)

14. If '+' means 'divided by', '-' means 'multiplied by', 'x' means 'minus' and ' ÷ ' means 'plus', which of the following will be the value of the expression: 16 ÷ 8 - 4 + 2 x 4 = ?

(a) 16

(b) 28

(c) 32

(d) 44

Answer: (b)

15. Some equations have been solved on the basis of a certain pattern. Find the correct answer for the unsolved equation on that basis: 2*3*5= 523 6*4*1= 164 8*2*4=482, then 6*8*2=?

(a) 826

(b) 268

(c) 286

(d) 628

Answer: (b)

16. Select the missing number from the given responses:

(a) 15

(b) 12

(c) 8

(d) 5

Answer: (d)

17. From her house Rimi went 20 km to the north. Then she turned west and covered 15 km. Then she turned south and covered 10 Km. Finally turning to east, she covered 15 km. In which direction is she from her house?

(a) East

(b) West

(c) North

(d) South

Answer: (c)

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. Statements: Some cars are buses. All cars are caves. Conclusion: I. Some caves are not buses II.Some caves are buses III. No cave is a bus IV. Some caves are cars

(a) Only IConclusion follows

(b) Only IIconclusion follows

(c) Only conclusions Iland IV follows

(d) Only conclusion IV follows

Answer: (c)

19. 6 faces of the cube are painted with different colours as shown below. In figure 3, which colour is opposite to RED?

(a) Black

(b) Yellow

(c) Orange

(d) Pink

Answer: (c)

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., 'B' can be represented by 00,13, etc. , and 'O' can be represented by 56, 68,etc. Similarly, you have to identify the set for the word 'TEAR'.

(a) 58,34,21,67

(b) 96,11,26,12

(c) 65,40,23,79

(d) 77,58,21,98

Answer: (c)

General Awareness

26. Which of the following was not actively engaged in social and religious reforms in India ?
    (a) Raja Ram Mohan Roy
    (b) Pandit Iswar Chandra Vidyasagar
    (c) Jotiba Phule
    (d) Bharatendu Harish Chandra

    Answer: (d)

27. The main effect of Direct Taxes is on
    (a) Food prices
    (b) Consumer goods
    (c) Capital goods
    (d) Income

    Answer: (d)

28. Who has the power to prorogue the Lok Sabha ?
    (a) The Speaker
    (b) The Prime Minister
    (c) The Minister for Parliamentary Affairs
    (d) The President

    Answer: (d)

29. The first Europeans to come to India were
    (a) British
    (b) Dutch
    (c) French
    (d) Portugese

    Answer: (d)

30. The term 'Dumping' refers to
    (a) The sale of a sub-standard commodity
    (b) Sale in a foreign market of a commodity at a price below marginal cost
    (c) Sale in a foreign market of a commodity just at marginal cost with too much of profit
    (d) Smuggling of goods without paying any customs duty

    Answer: (b)

31. When does the sun shine vertically on the Equator ?
    (a) Throughout the year
    (b) For six months
    (c) Twice a year
    (d) Once a year

    Answer: (c)

32. Lichen is an association between which of the two ?
    (a) Algae and fungus
    (b) Algae and tree
    (c) Fungus and tree
    (d) Bacteria and legume plant

    Answer: (a)

33. Among the given nutrients, milk is a poor source of which of the following ?
    (a) Vitamin 'C'
    (b) Calcium
    (c) Protein
    (d) Carbohydrate

    Answer: (a)

34. What is a Pepper plant ?
    (a) Bush
    (b) Shrub
    (c) Vine
    (d) Tree

    Answer: (c)

35. Why does a cannon recoil after firing ?
    (a) Conservation of energy
    (b) Backward thrust of gases produced
    (c) Newton's third law of motion
    (d) Newton's first law of motion

    Answer: (c)

36. Which of the following statement is true?
    (a) A Primary key is also a candidate key
    (b) Each relation has at least one foreign key
    (c) Foreign keys can't have null values
    (d) A Primary key is also an alternate key

    Answer: (a)

37. Which of the following is used as non-stick coating for cooking utensils?
    (a) Perspex
    (b) Styrofoam
    (c) Polystyrene
    (d) Teflon

    Answer: (d)

38. "Tsunami" is the name given to which of the following?
    (a) Earthquake
    (b) Cyclone
    (c) Tidal Waves
    (d) Undersea Waves

    Answer: (c)

39. The first Indian citizen to get commercial Pilot's Licence was
    (a) Vijaypat Singhania
    (b) J.R.D.Tata
    (c) Captain Gopinath
    (d) Vijay Mallya

    Answer: (b)

40. Which of the following is/are 'rain cloud'? 1. Cirrus 2. Nimbostratus 3. Cumulonimbus 4. Altocumulus
    (a) 1 and 2 only
    (b) 2 and 3 only
    (c) 3 and 4 only
    (d) 1 and 4 only

    Answer: (b)

41. According to the Indian Constitution, who has the power to declare emergency ?
    (a) Prime Minister
    (b) President
    (c) Chief Justice
    (d) Parliament

    Answer: (b)

42. Particulates (< 1 µm size) remaining suspended in air indefinitely and transported by wind currents are called
    (a) Mists
    (b) Fumes
    (c) Aerosols
    (d) Smoke

    Answer: (c)

43. The least preferred technique in the disposal of Municipal Solid Waste is :
    (a) Incineration
    (b) Composting
    (c) Land filling
    (d) Bricketting

    Answer: (d)

44. A bomb explodes on the moon. You will hear its sound on earth after _____
(a) 20 minutes
(b) 2 hrs 20 minutes
(c) 3.7 hours
(d) You cannot hear the sound of explosion

Answer: (d)

45. Which one of the following takes place during a nuclear fusion?
(a) a heavy nucleus bombarded by neutrons breaks up
(b) a heavy nucleus breaks up spontaneously
(c) two light nuclei combine to form a heavy nucleus
(d) a light nucleus breaks up spontaneously

Answer: (c)

46. Arrange the following cities in an order from North to South 1) Bhubaneshwar 2) Chennai 3) Hyderabad 4) Cochin
(a) 1 3 2 4
(b) 1 2 3 4
(c) 1 2 4 3
(d) 1 3 4 2

Answer: (a)

47. British achieved political power in India after which of the following ?
(a) Battle of Plassey
(b) Battle of Panipat
(c) Battle of Buxar
(d) Battle of Wandiwash

Answer: (a)

48. The number of permanent members of the U.N. Security Council is
(a) 5
(b) 15
(c) 10
(d) 25

Answer: (a)

49. Match list (I) with list (II)
(a) a-i , b-ii , c-iii , d-iv
(b) a-iii , b-ii , c-iv , d-i
(c) a-iv , b-iii , c-i , d-ii
(d) a-ii , b-i , c-iv , d-iii

Answer: (d)

50. "World Economic Outlook" report is published by which of the following ?

(a) IMF

(b) World Bank

(c) RBI

(d) UNCTAD

Answer: (a)

Quantitative Aptitude

51. The rate of working of A and B are in the ratio of 2:3. The number of days taken by them to finish the work is in the ratio:

(a) 2:3

(b) 4:9

(c) 3:2

(d) 9:4

Answer: (c)

52. The ratio of two positive numbers is 3:4. The sum of their squares is 400. What is the sum of the numbers?

(a) 28

(b) 22

(c) 24

(d) 26

Answer: (a)

54. If "basis points" are defined so that 1 percent equal to 100 basis points, then by how many basis points is 82.5 percent greater than 62.5 percent?

(a) 0.2

(b) 20

(c) 200

(d) 2000

Answer: (d)

55. Sound travels at 330 metres per second. The distance (in kilometres) of a thunder cloud when its sound follows the flash after 10 seconds is

(a) 0.33 km

(b) 3.3 km

(c) 33 km

(d) 33.3 km

Answer: (b)

58. The third proportional of the following numbers (x-y)2, (x2-y2)2 is

(a) (x+y)3 (x-y)2

(b) (x+y)4 (x-y)2

(c) (x+y)2 (x-y)2

(d) (x+y)2 (x-y)3

Answer: (b)

59. Two circles touch each other externally. The distance between their centres is 7 cm. If the radius of one circle is 4 cm, then the radius of the other circle will be

(a) 3 cm

(b) 4 cm

(c) 5.5 cm

(d) 3.5 cm

Answer: (a)

61. The least value of tan2x + cot2x is

(a) 3

(b) 2

(c) 0

(d) 1

Answer: (b)

62. While selling a watch, a shop-keeper gives a discount of 5%. If he gives a discount of 7%, he earns ₹ 15 less as profit. The marked price of the watch is

(a) 697.5

(b) 712.5

(c) 750

(d) None of the these

Answer: (c)

63. What least value must be assigned to '*' so that the number 63576 * 2 is divisible by 8?

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

64. A student, by mistake, wrote 64 in place of 46 as a number at the time of finding the average of 10 given numbers & got the average as 50. The correct average of the numbers is

(a) 48.2

(b) 48

(c) 48.1

(d) 49

Answer: (a)

66. The cube of 997 is

(a) 991026973

(b) 991029673

(c) 991029773

(d) 991097273

Answer: (a)

67. Length of the sides of a triangle are a, b, c respectively. If a2 + b2 + c2 = ab +bc + ca then the triangle is

(a) isosceles

(b) equilateral

(c) scalene

(d) right-angled

Answer: (b)

70. A right circular conical structure stands on a circular base of 21m diameter and is 14m in height. The total cost of colour washing for its curved surface at ₹ 6 per sq. m. is (Take Π = 22/7)

(a) 4365

(b) 4465

(c) 3465

(d) 3365

Answer: (c)

71. A telegraph post is bent at a point above the gro[illegible]d. Its top just touches the ground at a distance of 8√3 m from its foot and makes [illegible]ang[illegible]f 30° with the horizontal. The height (in metre) of the post is

(a) 12

(b) 16

(c) 18

(d) 24

Answer: (d)

72. Study the graph and answer the following questions. The graph shows the number of bicycles parked in the parking space of a hall at various points of time.
Charges for parking is Rs. 1 per hour. What will be the total collection from 9 AM to 7 PM

(a) Rs.625

(b) Rs.635

(c) Rs.685

(d) Rs.695

Answer: (d)

73. Study the graph and answer the following questions. The graph shows the number of bicycles parked in the parking space of a hall at various points of time.
What is the percentage decrease in the number of parked cycles between 7 pm and 8 pm? (in whole number)

(a) 30
(b) 38
(c) 42
(d) 45

Answer: (d)

74. Study the graph and answer the following questions. The graph shows the number of bicycles parked in the parking space of a hall at various points of time.
What is the average number of parked cycles as seen from the graph?

(a) 40
(b) 45
(c) 55
(d) 60

Answer: (d)

75. Study the graph and answer the following questions. The graph shows the number of bicycles parked in the parking space of a hall at various points of time.
How many times, as mentioned in the graph, is the number of parked cycles above average?

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

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. RATIONAL

(a) TIDY
(b) AGREEABLE
(c) LAUDABLE
(d) LOGICAL

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. INTERIM

(a) PROVISIONAL
(b) TENTATIVE
(c) PERMANENT
(d) INTERVAL

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) Breif

(b) Percieve

(c) Relieve

(d) Cheif

Answer: (c)

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. The King Juan Carlos of Spain(A)/arrived in London today(B)/for a three day visit(C)/No error(D)

(a) A

(b) B

(c) C

(d) D

Answer: (a)

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. Many people die(A)/with cholera(B)/every year(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 was(A)/at loss(B)/and did not know what to do(C)/No error(D)

(a) A

(b) B

(c) C

(d) D

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. A big dictionary _____ _____ the table near the door

(a) are on

(b) is over

(c) is on

(d) is up

Answer: (c)

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. Mr. Sen is absent today. He _____ sick

(a) has to be

(b) could have been

(c) might be

(d) must have been

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. Feather in one's cap

(a) Discrimination

(b) A new and additional distinction

(c) Hunting

(d) Bird watching

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. Donkey's years

(a) A decade

(b) A long time

(c) A century

(d) Since school days

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. Leave no stone unturned

(a) Try every possible way

(b) Behave smartly

(c) Constructing

(d) Wasting no time

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. A child born after the death of father

(a) Post dated

(b) Premature

(c) Paternal

(d) Posthumous

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. A person who completely abstains from alcohol

(a) teetotaller

(b) drunkard

(c) alcoholic

(d) imposter

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. One who is able to use both hands

(a) Sinister

(b) Ambidextrous

(c) Ambivalent

(d) Amateur

Answer: (b)

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. Namita is from the state of Kerala. She has come to Dubai to serve as a governess for the only child of the Nairs. The Nairs are nice and gentle and Namita has no cause to complain. One day she overhears something that makes her jittery. Mr. Nair is not employed in an American company as she has been told. The nature of his business is illegal. She is shocked and wants to go back to her home town to her own people.
> Gopal is from a very poor family. His family owns a very small piece of land that can hardly meet their food requirement. One day, Gopal gets a job offer to work in the Emirates with a construction contractor. In order to meet the expenses of travelling, the family decides to sell their own land and send Gopal to the foreign country, to make money. On arrival, the contractor confiscates Gopal's passport and gives him a small place to live in with ten others like him. Gopal has little idea what he must do.

96. Which word from the ones given below, best describes Namita's relationship with her employers in the beginning?

(a) Cordial

(b) Friendly

(c) Sympathetic

(d) Complaining

Answer: (a)

97. What does the phrase, 'makes her jittery' imply?

(a) Sadness

(b) Anger

(c) Trauma

(d) Anxiety

Answer: (d)

98. Namita and Gopal are in a similar situation, because they
    (a) love their families
    (b) are happy with their situations
    (c) are from impoverished families
    (d) are stranded in a foreign country

    Answer: (d)

99. Namita's situation is better than that of Gopal, because she
    (a) has a well behaved employer
    (b) knows what she wants to do
    (c) loves the new place and the child
    (d) now knows about her employer

    Answer: (b)

100. The conclusion that can be drawn from both situations is that people should
    (a) stay in their own countries and villages
    (b) feel contented and satisfied with their lot
    (c) verify details before accepting any job
    (d) not travel to these regions of the world

    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	**(b)**	2	**(d)**	3	**(b)**	4	**(d)**	5	**(b)**	6	**(d)**	7	**(a)**	8	**(d)**
9	**(a)**	10	**(d)**	11	**(d)**	12	**(b)**	13	**(b)**	14	**(b)**	15	**(b)**	16	**(d)**
17	**(c)**	18	**(c)**	19	**(c)**	25	**(c)**								

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(a)**	54	**(d)**	55	**(b)**	58	**(b)**	59	**(a)**	61	**(b)**	62	**(c)**
63	**(c)**	64	**(a)**	66	**(a)**	67	**(b)**	70	**(c)**	71	**(d)**	72	**(d)**	73	**(d)**
74	**(d)**	75	**(d)**												

English Comprehension

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