PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 8 September 2016, Shift 2

SSC CGL · 8 September 2016 · 1:15 PM - 2:30 PM

79 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: 21 (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 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-1-8-sep-shift-2/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: FINGERS : HAND :: ? : FEET
   (a) NAILS
   (b) TOES
   (c) ANKLE
   (d) HEELS
   Answer: (b)

2. Select the related word/letters/numbers from the given alternatives: OOQR : QQST :: UUWX : ?
   (a) WWYZ
   (b) YYWZ
   (c) ZZWY
   (d) YYZZ
   Answer: (a)

3. Select the related word/letters/numbers from the given alternatives: 342 : 453 :: 831 : ?
   (a) 720
   (b) 740
   (c) 922
   (d) 942
   Answer: (d)

4. For the following questions Find the odd word/letters/number from the given alternatives. (A) Barbarous (B) Uncivilized (C) Gentle (D) Wild
   (a) A
   (b) B
   (c) C
   (d) D
   Answer: (c)

5. For the following questions Find the odd word/letters/number from the given alternatives. (A) BCE (B) WXZ (C) MNP (D) GHK

(a) A

(b) B

(c) C

(d) D

Answer: (d)

6. For the following questions Find the odd word/letters/number pair from the given alternatives. (A) 48:134 (B) 40:110 (C) 18:48 (D) 30:80

(a) A

(b) B

(c) C

(d) D

Answer: (c)

7. Arrange the following words as per order in the dictionary.
1. Modicum 2. Modal 3. Mode 4. Modifier

(a) 2,3,1,4

(b) 2,3,4,1

(c) 3,2,1,4

(d) 3,2,4,1

Answer: (a)

8. In the given series one term is missing. Choose the correct alternative from the given ones that will complete the series. XBC,WFG,VJK,?

(a) XGH

(b) UNO

(c) YFG

(d) WKL

Answer: (b)

9. Which number will complete the series?
0,1,4,15,?,325,1956

(a) 60

(b) 64

(c) 75

(d) 80

Answer: (b)

10. Pointing to a lady in a photograph, Meera said, "Her father's only son's wife is my mother-in-law". How is Meera's husband related to that lady in the photo?

(a) Nephew

(b) Uncle

(c) Son

(d) Father

Answer: (a)

11. Five people A,B,C,D and E are sitting in a row facing you such that D is on the left of C and B is on the right of E. A is on the right of C and B is on the left of D. If E occupies a corner position, then whose sitting in the centre?

(a) A

(b) B

(c) C

(d) D

Answer: (d)

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

(a) INSPECTION

(b) SCOPE

(c) SECTOR

(d) ROUTE

Answer: (d)

13. If I=9 and SLIP=56, then FALL= ?

(a) 21

(b) 31

(c) 41

(d) 51

Answer: (b)

14. If '+' means '÷' , '−' means '×' , '÷' means '+' and '×' means '−', then 36×12+4÷6+2−3= ?

(a) 2

(b) 6 1/2

(c) 18

(d) 42

Answer: (d)

15. Some equations have been solved on the basis of a certain pattern. Find the correct answer for the unsolved equation on that basis. 8×7×6=765 5×3×2=421 9×6×4= ?

(a) 583

(b) 853

(c) 841

(d) 481

Answer: (b)

17. Ajit, starting from a fixed point, goes 10 m towards North and then after turning to his right he goes 10 m. Then he goes 5,10 and 10 meters after turning to his left each time. How far is he from his starting point?

(a) 15 m

(b) 10 m

(c) 5 m

(d) 3 m

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. Statement: Honesty is the best policy. Conclusion I: All should be honest. II: Only some people should be honest.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusion I and conclusion II follow

(d) Neither conclusion I nor conclusion II follows

Answer: (a)

25. In this question, the sets of numbers given in the alternatives are represented. 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 03,55, etc., and 'P' can be represented by 10, 44, etc. Similarly you have to identify the set for the word 'BOAT'.

(a) 67,86,55,40

(b) 32,86,77,68

(c) 78,33,55,44

(d) 67,86,31,40

Answer: (a)

General Awareness

26. Saving is that portion of money income that is .....

(a) spent for development of Industries

(b) not spent on consumption

(c) spent on health and education

(d) spent for consumer durables

Answer: (b)

27. In which field did Amartya Sen win the Nobel Prize ?
    (a) Micro Economics
    (b) Welfare Economics
    (c) Economic Growth Model
    (d) Input-Output Model

    Answer: (b)

28. Raja Ravi Varma was a great painter of which of the following ?
    (a) Bengal
    (b) Bihar
    (c) Punjab
    (d) Kerala

    Answer: (d)

29. Who was the founder of the Theosophical society of India?
    (a) Annie Besant
    (b) Womesh Chandra Bannerjee
    (c) Ram Prasad Bismil
    (d) Subhash Chandra Bose

    Answer: (a)

30. Who coined the Chipko slogan "Ecology is Perma nt Economy"?
    (a) Chan Prasad Bhatt
    (b) Sundarlal Bahuguna
    (c) Shayam Prasad Bahuguna
    (d) Bachni Devi

    Answer: (b)

31. Which of the following is Study of fossils ?
    (a) Ethology
    (b) Etiology
    (c) Anthropology
    (d) Palaeontology

    Answer: (d)

32. Chemical properties of isotopes .....
    (a) must be same
    (b) must be different
    (c) need not be same
    (d) need not be different

    Answer: (a)

33. Which of the following is the operation executed on data stored in registers?
    (a) Bit-operation
    (b) Macro-operation
    (c) Micro-operation
    (d) Byte-operation

    Answer: (c)

34. Sour taste of lemon is due to the presence of which of the following ?
    (a) Citric acid
    (b) Acetic acid
    (c) Oxalic acid
    (d) Formic acid

    Answer: (a)

35. Which State has the longest coastline?
    (a) Andhra Pradesh
    (b) Maharashtra
    (c) Gujarat
    (d) Karnataka

    Answer: (c)

36. Which among the following cities in India is not lo ed in Golden Quadrilateral Road Network?
    (a) Kolkata
    (b) Mumbai
    (c) New Delhi
    (d) Chandigarh

    Answer: (d)

37. Which is the first Indian State to go wholly organic ?
    (a) Meghalaya
    (b) Sikkim
    (c) Manipur
    (d) Assam

    Answer: (b)

38. What is the role of "Ombudsman" in a bank?
    (a) To provide quality and speedy redressal of grievances of customers.
    (b) To provide suggestions for innovative schemes in the banks.
    (c) To inspect the internal working of the branches.
    (d) To monitor the poverty alleviation programmes undertaken by or implemented by the bank.

    Answer: (a)

39. Which of the following schedules contains special provisions for the administration of tribal areas in the four north-eastern states of Assam, Meghalaya, Tripura and Mizoram

(a) First schedule
(b) Second schedule
(c) Third schedule
(d) Sixth schedule

Answer: (d)

40. Who appoints the members of the State Public Service Commission ?

(a) Chief Minister
(b) Governor
(c) Chief Justice
(d) Vice President

Answer: (b)

41. Who was the first Indian to be elected as the leader of the Communist International?

(a) Jawaharlal Nehru
(b) P.C. Joshi
(c) Sardar Vallabhai Patel
(d) M.N Roy

Answer: (d)

42. What is the source of natural energy of the hot s ıgs at Manikaran in Himachal Pradesh ?

(a) Geothermal Energy
(b) Biomass Energy
(c) Thermal Energy
(d) Hydro Energy

Answer: (a)

43. Which of the following is a Dominant Autosomal Disorder ?

(a) Albinism
(b) Cystic Fibrosis
(c) Phenyl Ketorunia
(d) Alzheimer's Disease

Answer: (d)

44. Glycol is used to manufacture which of the following ?

(a) Nylon
(b) Artificial silk
(c) Terylene
(d) Rubber

Answer: (c)

45. The movement inside the Earth's crust is studied by which of the following ?
    (a) Geology
    (b) Seismology
    (c) Plate tectonics
    (d) Pantograph

    Answer: (b)

46. "Lona" is related to which game?
    (a) Kho Kho
    (b) Kabbaddi
    (c) Lawn Tennis
    (d) Badminton

    Answer: (b)

47. Ten thaats or scales, belong to which system of music?
    (a) Hindustani Music
    (b) Folk Music
    (c) Chinese Music
    (d) Western Music

    Answer: (a)

48. Which one among the following components can be developed within an "integrated circuit"?
    (a) Diode
    (b) Triode
    (c) Transformer
    (d) Transistor

    Answer: (c)

49. What is the transplantation of graft between genetically identical individuals ?
    (a) Autograft
    (b) Isograft
    (c) Allograft
    (d) Xenograft

    Answer: (b)

50. Yogeshwar Dutt is associated with which sport?
    (a) Discus Throw
    (b) Wrestling
    (c) Shooting
    (d) Pole Vault

    Answer: (b)

Quantitative Aptitude

51. Number of composite numbers lying between 67 and 101 is

(a) 27

(b) 24

(c) 26

(d) 23

Answer: (a)

52. A dealer allows a discount of 15%. A customer pays an amount of Rs. 318.75 for an article. At what price is the article listed?

(a) Rs. 366.50

(b) Rs. 375.00

(c) Rs. 350.00

(d) Rs. 431.25

Answer: (b)

53. The reciprocals of the squares of the numbers 1½ and 11/3 are in the ratio

(a) 64 : 81

(b) 8 : 9

(c) 81 : 64

(d) 9 : 8

Answer: (a)

54. The average of 15 numbers is 7. If the average of the first 8 numbers is 6.5 and the average of the last 8 numbers is 8.5 then middle number

(a) 10

(b) 23

(c) 13

(d) 15

Answer: (d)

55. A man bought 25 crates of oranges for Rs. 10,000. He lost 5 crates. In order to earn a total profit of 25% of the total cost, he would have to sell each of the remaining crates at

(a) Rs.650

(b) Rs. 625

(c) Rs. 600

(d) Rs. 575

Answer: (b)

56. What is the difference between 0.6 and 0.6%?

(a) 5.94

(b) 0.594

(c) 60

(d) 54

Answer: (b)

57. A man travels ¾th of the distance of his journey by bus, 1/6th by Rickshaw and 2 km on foot. The total distance travelled by the man is

(a) 12 km

(b) 18 km

(c) 20 km

(d) 24 km

Answer: (d)

58. The compound interest on Rs. 1000 at 10% per annum for 3 years in (Rs.) is

(a) Rs. 1331

(b) Rs. 331

(c) Rs. 300

(d) Rs. 1300

Answer: (b)

61. In ΔABC, the medians AD and BE meet at G. The o of the areas of ΔBDG and the quadrilateral GDCE is

(a) 1 : 2

(b) 1 : 3

(c) 2 : 3

(d) 3 : 4

Answer: (a)

64. Sashi can do a piece of work in 20 days. Tanya is 25% more efficient than Sashi. The number of days taken by Tanya to do the same piece of work is:

(a) 15

(b) 16

(c) 18

(d) 25

Answer: (b)

67. XYZ is a right angled triangle and ∠Y = 90°. If XY = 2.5 cm and YZ = 6 cm then the circumradius of ΔXYZ is

(a) 6.5 cm

(b) 3.25 cm

(c) 3 cm

(d) 2.5 cm

Answer: (b)

69. The length of shadow of a tower is √3 times that of its length. The angle of elevation of the sun is

(a) 45°

(b) 30°

(c) 60°

(d) none

Answer: (b)

72. Student strength of a college in Arts, Science and Commerce from 2004 - 2005 to 2007 - 2008 session are shown in the following bar graph. Study the graph and answer the questions that follow. The ratio of average number of students in Science to the average number of students in Commerce is

(a) 10 : 7

(b) 7 : 4

(c) 12:5

(d) 48 : 35

Answer: (b)

73. Student strength of a college in Arts, Science and Commerce from 2004 - 2005 to 2007 - 2008 session are shown in the following bar graph. Study the graph and answer the questions that follow. The increase in the number of Arts students in 2007-2008 session over that in 2005-2006 session is

(a) 25%

(b) 21.42%

(c) 27.27%

(d) 37.5%

Answer: (c)

74. Student strength of a college in Arts, Science and Commerce from 2004 - 2005 to 2007 - 2008 session are shown in the following bar graph. Study the graph and answer the questions that follow. Approximate percentage of students in Science stream during the session 2006-2007 is

(a) 42.31%

(b) 40.91%

(c) 41.26%

(d) 31.42%

Answer: (a)

75. Student strength of a college in Arts, Science and Commerce from 2004 - 2005 to 2007 - 2008 session are shown in the following bar graph. Study the graph and answer the questions that follow. Percentage increase in total number of students in 2007 - 2008 session over that in 2004 - 2005 session is approximately

(a) 29.71

(b) 25.65

(c) 10.56

(d) 20.83

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. INDOLENT

(a) LAZY

(b) EXPENSIVE

(c) ACTIVE

(d) HAPPY

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. INSOLENT

(a) SCRUPULOUS

(b) EMOLIENT

(c) COURTEOUS

(d) LAZY

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) Beneficiary

(b) Benificiary

(c) Beneficeary

(d) Benefeciary

Answer: (a)

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. Had I been (A) / in my brother's position (B) / I would have refused the offer. (C) / No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (d)

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. His parents usually spent (A) / their summer in Ooty (B) / but this year they are spending it in Darjeeling. (C) / No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (a)

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 lost heart (A) / because he could not cope up with (B) / the difficulties in life. (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. Due to heavy rains, the match was called _____.

(a) of

(b) off

(c) down

(d) out

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 Management gave us permission to _____ with the new curriculum.

(a) go fixed

(b) go about

(c) go ahead

(d) go around

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. Mount Everest has earned the _____ distinction of being the world's highest garbage dump.

(a) marked

(b) disgusting

(c) dubious

(d) dismal

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. As daft as a brush

(a) Extremely silly

(b) Artistically inclined

(c) Completely clean

(d) Utterly selfish

Answer: (a)

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. In a nutshell

(a) In translation

(b) A decorative language

(c) A well-packed parcel

(d) Briefly and concisely

Answer: (d)

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. Strain every nerve

(a) Try all tricks

(b) Work very hard

(c) Beg before others

(d) Spend a large amount

Answer: (b)

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. Proposition made as a basis for reasoning without the assumption of its truth

(a) Hypertext

(b) Hypocrisy

(c) Hyperbole

(d) Hypothesis

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. Indifference to pleasure and pain

(a) Perseverance

(b) Tolerance

(c) Stoicism

(d) Radicalism

Answer: (c)

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. No longer a child, but not yet an adult

(a) Youngster

(b) Adolescent

(c) Juvenile

(d) Yokel

Answer: (b)

Passage — for questions 96–100

> The antigen-antibody immunological reaction is used to be regarded as typical of immunological responses. Antibodies are proteins synthesized by specialized cells called plasma cells, which are formed by lymphocytes (cells from the lymph system) when an antigen, a substance foreign to an organism's body, comes in contact with lymphocytes. Two important manifestations of antigen-antibody immunity are lysis, the rapid physical rupture of antigenic cells and the liberation of their contents into the surrounding medium, and phagocytosis, a process in which antigenic particles are engulfed by and very often digested by macrophages and polymorphs. The process of lysis is executed by a complex and unstable blood constituent known as complement, which will not work unless it is activated by a specific antibody; the process of phagocytosis is greatly facilitated when the particles to be engulfed are coated by a specific antibody directed against them.

96. One of the two important manifestations of antigen-antibody immunity is lysis while the other is
    (a) lymphocytes
    (b) plasma
    (c) antigenic cells
    (d) phagocytosis

    Answer: (d)

97. What are antibodies?
    (a) Minerals in the cells
    (b) Proteins
    (c) Synthesized proteins
    (d) Dead cells

    Answer: (c)

98. What happens when an antigen comes [illegible] with lymphocytes?
    (a) Antibodies are destroyed
    (b) Plasma cells are formed
    (c) Proteins are synthesized
    (d) Old cells are restored

    Answer: (b)

99. Which of the following statement is true in the context of the essay?
    (a) Antigen-antibody is a psychological process
    (b) Lysis is a process of forming plasma cells
    (c) Complement is a blood constituent
    (d) Antigen is part of the organism's body

    Answer: (c)

100. Phagocytosis is a process in which antigenic particles are _____ by and very often digested by macrophages and polymorphs.

(a) attacked

(b) attracted

(c) enveloped

(d) engulfed

Answer: (d)

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	**(c)**	7	**(a)**	8	**(b)**
9	**(b)**	10	**(a)**	11	**(d)**	12	**(d)**	13	**(b)**	14	**(d)**	15	**(b)**	17	**(c)**
18	**(a)**	25	**(a)**												

General Awareness

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

Quantitative Aptitude

51	**(a)**	52	**(b)**	53	**(a)**	54	**(d)**	55	**(b)**	56	**(b)**	57	**(d)**	58	**(b)**
61	**(a)**	64	**(b)**	67	**(b)**	69	**(b)**	72	**(b)**	73	**(c)**	74	**(a)**	75	**(d)**

English Comprehension

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