PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 11 September 2016, Shift 3

SSC CGL · 11 September 2016 · 4:15 PM - 5:30 PM

80 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: 20 (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 11 September 2016, 4:15 PM - 5:30 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-1-11-sep-shift-3/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Medicine : Patient : : Education : ?

(a) Teacher
(b) School
(c) Student
(d) Tuition

Answer: (c)

2. Select the related word/letters/numbers from the given alternatives: LAMP : IXJM :: FISH : ?

(a) CGPF
(b) CFQE
(c) CFPE
(d) CGQF

Answer: (c)

3. Select the related word/letters/numbers from the given alternatives: 13 : 20 : : 17 : ?

(a) 25
(b) 26
(c) 27
(d) 28

Answer: (d)

4. For the following questions Find the odd word / letter / number from the given alternative

(a) Rival
(b) Opponent
(c) Foe
(d) Ally

Answer: (d)

5. For the following questions Find the odd word / letter / number from the given alternative

(a) POCG

(b) KLIZ

(c) BUDX

(d) FQMV

Answer: (d)

6. For the following questions Find the odd word / letter / number from the given alternative

(a) 36 - 48

(b) 56 - 44

(c) 78 - 66

(d) 33 - 64

Answer: (d)

7. Arrange the following words as per order in the dictionary
1. Ambitions 2. Ambiguous 3. Ambiguity 4. Animation 5. Animal

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

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

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

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

Answer: (c)

8. A series is given , with one term missing . Choose the correct alternative from the given ones that will complete the series .
CAT , DBT , ECT , ?

(a) DCT

(b) FDT

(c) FCT

(d) FAT

Answer: (b)

9. A series is given , with one term missing . Choose the correct alternative from the given ones that will complete the series .
5 , 11 , 24 , 51 , 106 ,____?

(a) 122

(b) 217

(c) 120

(d) 153

Answer: (b)

10. Showing a man on the stage , Rita said , " He is the brother of the daughter of the wife of my husband . How is the man on stage related to Rita ?

(a) SON

(b) HUSBAND

(c) COUSIN

(d) NEPHEW

Answer: (a)

11. The age of Dr. Pandey is four times the age of his son. After 10 years , the age of Dr. Pandey will be twice the age of his son . The present age of Dr. Pandey's son is

(a) 4 years

(b) 5 years

(c) 6 years

(d) 8 years

Answer: (b)

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

(a) CANCEL

(b) NEGLECT

(c) GENTLE

(d) INCITE

Answer: (a)

13. If C is coded 3 , DASH is coded as 32 , [illegible] DA[illegible]E will be coded as

(a) 20

(b) 25

(c) 26

(d) 27

Answer: (d)

14. If ' + ' means minus , ' - ' means multiplication , ' ÷ ' means plus , and ' x ' means division , then 15 - 3 + 10 x 5 ÷ 5

(a) 52

(b) 48

(c) 22

(d) 5

Answer: (b)

15. A certain system is followed to solve the problem . Accordingly find out the correct answer from the alternatives for the unsolved equations .
7 x 4 x 9 = 479 9 x 5 x 2 = 592 6 x 9 x 5 = 965 8×6×2=?

(a) 286

(b) 682

(c) 628

(d) 268

Answer: (b)

16. Find the missing number from the given alternatives

(a) 75

(b) 45

(c) 20

(d) 30

Answer: (d)

17. Sanmitra walked 8 m towards the north. He turned to his right and walked 16 m , then he turned to his left and walked 5 m and again he turned to his left and walked 16 m . In which direction is he from his starting point ?

(a) South

(b) East

(c) North

(d) West

Answer: (c)

18. Consider the given statement/s to be true . Decide which of the given conclusions/ assumptions can definitely be drawn from the given statement. Statements : 1. Some teacher are followers. 2. Some followers are famous. Conclusions : I. Some teachers are famous. II. Some followers are teachers.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusion I and II follows

(d) Neither conclusion I nor II follows

Answer: (b)

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 these matrix can be represented first by row and next by its column , e. g., ' A ' can be represented by 01 , 13 , etc. ., and ' B ' can be represented by 58 , 69 , etc. . Similarly , you have to identify the set for the word ' FINE '

(a) 00 , 04 , 02 , 56

(b) 12 , 10 , 13 , 67

(c) 24 , 19 , 31 , 78

(d) 31 , 32 , 33 , 87

Answer: (a)

General Awareness

26. Who propounded the "Doctrine of Passive Resistance"?
    (a) Balgangadhar Tilak
    (b) Aurobindo Ghosh
    (c) Lala Lajpat Rai
    (d) Bipin Chandra Pal

    Answer: (b)

27. At Rio Olympics, what was the final position of Dipa Karmakar in her category?
    (a) 4
    (b) 5
    (c) 6
    (d) 7

    Answer: (a)

28. The 14th Finance Commission has recommended increase in States share in net proceeds from tax collection from 32% to
    (a) 35%
    (b) 40%
    (c) 42%
    (d) 45%

    Answer: (c)

29. Fiscal policy in India is formulated by
    (a) Reserve Bank of India
    (b) Planning Commission
    (c) Finance Ministry
    (d) SEBI

    Answer: (c)

30. Which of the following has pH value 7?
    (a) Pure Water
    (b) H2SO4
    (c) Sodium Carbonate
    (d) HCl

    Answer: (a)

31. When ice cubes are made, the entropy of water
    (a) does not change
    (b) decreases
    (c) increases
    (d) may either increase or decrease depending on the process used

    Answer: (b)

32. Two vectors are said to be equal if
    (a) only their magnitudes are same
    (b) only their directions are same
    (c) both magnitude and direction are same
    (d) magnitudes are same but directions are opposite

    Answer: (c)

33. The chemical component that is invariably found in all viruses is
    (a) proteins
    (b) lipids
    (c) DNA
    (d) RNA

    Answer: (a)

34. Which is used as an Air pollution indicator?
    (a) Algae
    (b) Fungi
    (c) Bacteria
    (d) Lichens

    Answer: (d)

35. The study of mountains is known as
    (a) Oncology
    (b) Lithology
    (c) Orology
    (d) Ornithology

    Answer: (c)

36. Salination of soil is caused by
    (a) Pesticides
    (b) soil erosion
    (c) excess irrigation
    (d) crop rotation

    Answer: (c)

37. ICC World T20 in 2016 was won by
    (a) India
    (b) England
    (c) New Zealand
    (d) West Indies

    Answer: (d)

38. Which one of the following was established with a definite provision under an Article of the Constitution of India?
    (a) Union Public Service Commission
    (b) National Human Rights Commission
    (c) Election Commission
    (d) Central Vigilance Commission

    Answer: (c)

39. The President can advance money to meet unforeseen expenses from the
    (a) Consolidated Fund of India
    (b) Grants of the Central Government
    (c) Aid from the Union Government
    (d) Contingency Fund

    Answer: (d)

40. The famous Vishnu temple at Angkor Wat in Cambodia was built by
    (a) Shrutavarman
    (b) Suryavarman II
    (c) Indravarman
    (d) Aniruddha

    Answer: (b)

41. In IT, the technique of delaying outgoing acknowledgements temporarily is known as
    (a) AR Acknowledgement
    (b) AR request
    (c) Piggybacking
    (d) Piggyframing

    Answer: (c)

42. If speed of rotation of the earth increases, the weight of the body
    (a) decreases
    (b) increases
    (c) remains the same
    (d) may increase or decrease

    Answer: (a)

43. Which among the following countries is facing debt crisis?
    (a) China
    (b) Canada
    (c) Germany
    (d) Greece

    Answer: (d)

44. The new symbol of Indian currency is designed by
    (a) Santosh Kumar
    (b) Y.V. Reddy
    (c) Udayakumar
    (d) Dr. Rangarajan

    Answer: (c)

46. Which of the following is not correctly matched?
    (a) Sania Mirza - Tennis
    (b) Sania Nehwal - Badminton
    (c) Mary Kom - Boxing
    (d) Pankaj Advani - Wrestling

    Answer: (d)

47. Which of the following State is surrounded by Bangladesh from three sides?
    (a) Nagaland
    (b) Assam
    (c) Arunachal Pradesh
    (d) Tripura

    Answer: (d)

48. Which enzyme digests proteins in the stomach?
    (a) Trypsin
    (b) Pepsin
    (c) Salivary amylase
    (d) Pancreatic canal

    Answer: (b)

49. Fermentation is a type of _____ process .
    (a) Aerobic Respiration
    (b) Anaerobic Respiration
    (c) Exothermic Reaction
    (d) Transpiration

    Answer: (b)

50. The first Muslim to be elected President of 'Indian National Congress' was?
    (a) Maulana Azad
    (b) Mohammed Ali
    (c) Badruddin Tyabji
    (d) Shah Wali-ullah

    Answer: (c)

Quantitative Aptitude

51. A,B and C contract a work for ₹ 440. Together A and B are to do 9/11 of the work. The share of C should be:

(a) 75

(b) 90

(c) 100

(d) 80

Answer: (d)

52. A dealer marks a washing machine for ₹ 7500, and allows a discount of 6% on it. Find the selling price

(a) 6850

(b) 7050

(c) 7250

(d) 6950

Answer: (b)

55. In a motor of 120 machine parts, 5% parts were defective. In another motor of 80 machine parts, 10% parts were defective. For the two motors considered together, the percentage of defective machine parts were

(a) 7

(b) 6.5

(c) 7.5

(d) 8

Answer: (a)

56. If (23)2= 4x then 3x is equal to

(a) 3

(b) 6

(c) 9

(d) 27

Answer: (d)

57. A train, 200 m long, is running at a speed of 54 km/hr. The time in seconds that will be taken by train to cross a 175 m long bridge is

(a) 12.5

(b) 20

(c) 25

(d) 10

Answer: (c)

58. Which of the following ratios can be the ratio of the sides of a right angled triangle?
    (a) 9:6:3
    (b) 13:12:5
    (c) 7:6:5
    (d) 5:3:2
    Answer: (b)

59. Number of circles that can be drawn through three non-colinear points is
    (a) exactly one
    (b) two
    (c) three
    (d) more than three
    Answer: (a)

60. Value of (cos 53° - sin 37°) is
    (a) 0
    (b) 1
    (c) 2 sin 37°
    (d) 2 cos 53°
    Answer: (a)

63. What least value must be assigned to '*' so that the numbers 451 * 603 is exactly divisible by 9?
    (a) 7
    (b) 8
    (c) 5
    (d) 9
    Answer: (b)

64. The average of 9 observations was found to be 35. Later on, it was detected that an observation 81 was misread as 18. The correct average of the observations is
    (a) 28
    (b) 42
    (c) 32
    (d) 45
    Answer: (b)

65. If x = 222, y = 223, z = 225 then the value of x3 + y3 + z3 - 3xyz is
    (a) 4590
    (b) 4690
    (c) 4950
    (d) 4960
    Answer: (b)

67. Two circles touch each other internally. The radius of the smaller circle is 6 cm and the distance between the centre of two circles is 3 cm. The radius of the larger circle is

(a) 7.5 cm

(b) 9 cm

(c) 8 cm

(d) 10 cm

Answer: (b)

68. PQR is an equilateral triangle. MN is drawn parallel to QR such that M is on PQ and N is on PR. If PN = 6 cm, then the length of MN is

(a) 3 cm

(b) 6 cm

(c) 12 cm

(d) 4.5 cm

Answer: (b)

69. If cosec θ + sinθ = 5/2 then the value of cosecθ - sinθ is

(a) -3/2

(b) 3/2

(c) −√3/2

(d) √3/2

Answer: (b)

70. Two men are on opposite sides of a tower. They measure the angles of elevation of the top of the tower as 30° and 45° respectively. If the height of the tower is 50 m, the distance between the two men is (Take √3 = 1.73)

(a) 136.5 m

(b) 50 √3 m

(c) 100 √3 m

(d) 135.5 m

Answer: (a)

71. The radius and the height of a cone are each increased by 20%. Then the volume of the cone increases by

(a) 20%

(b) 20.5%

(c) 62%

(d) 72.8%

Answer: (d)

75. A bar graph showing the heights of six mountain peaks. Study the bar graph and answer questions
When the heights of the given peaks are written in ascending order, what is the average of the middle two peaks?

(a) 7950 m

(b) 7560 m

(c) 7650 m

(d) 7850 m

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. CREDULOUS

(a) FUNNY

(b) SILLY

(c) INNOCCENT

(d) GULLIBLE

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. REASSURE

(a) COMFORT

(b) CONSOLE

(c) INSPIRE

(d) DISCOURAGE

Answer: (d)

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) Defianse

(b) Defyance

(c) Difiance

(d) Defiance

Answer: (d)

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. Too great a (A)/ variety of studies (B)/ distract the mind (C)/ No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. The severe cyclonic storm (A)/ has left behind (B)/ a trial of misery (C)/ No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. My sister has been (A)/ interested in medicine (B)/ ever since she was a child (C)/ No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (d)

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. It is _____ university of excellence.

(a) a

(b) an

(c) also

(d) one

Answer: (a)

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. They have not had much time for social activities and I have not _____ .

(a) done so

(b) either

(c) also

(d) gone

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. Food was packed, and they_____, a merry, delighted party.

(a) went off

(b) start off

(c) cut off

(d) set off

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. pull a fast one

(a) as fast as lightning

(b) play a trick

(c) carry a heavy burden

(d) take a deep breath

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. grease the palm

(a) dirty one's hands

(b) work in a garage

(c) slip and fall

(d) bribe

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. turn turtle

(a) slow like a turtle

(b) turn like a turtle

(c) over-turn

(d) a game turtles play

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. Action that is likely to make people very angry

(a) Inflationary

(b) Inflammable

(c) Commensurable

(d) Inflammatory

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 humorous drawing dealing with current events or politics.

(a) Sketch

(b) Illustration

(c) Cartoon

(d) Skit

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. Act of mercy killing

(a) Suicide

(b) Euthanasia

(c) Immolation

(d) Asphyxiation

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. To know language is to be able to speak it; even a child who does not yet attend school can speak his or her language. In order to speak a language it is important to listen to it and to read a few pages in it everyday. A child picks up language and learns to talk [illegible]t as (s)he learns to walk. Walking and talking comes naturally to a child as it grows. In our country [illegible] child may grow up speaking more than one language, if these languages are spoken in the hom[illegible]d in the neighbourhood. we call this multilingualism. A child speaks a language [illegible] much before (s)he starts going to school. To know a language then is first of all to be able [illegible] it as easily and naturally as a tree year old child does. Later on the child will learn to read and write in that language. In order to read and write in a language, one has to speak it. But it is possible to speak a language but not able to read or write in it. A baby does not speak until it is nine months old but it understands a few words at six months of age. It has been listening ever since it was born, and even a little before that. So the first strategy in speaking a language is to listen.

96. One of the activities of a child before it is even born is _____ .

(a) seeing

(b) listening

(c) understanding

(d) talking

Answer: (b)

97. It is necessary for one to _____ the language before (s)he writes in that language.

(a) sing

(b) spell

(c) speak

(d) none of the above

Answer: (c)

98. Multi-lingualism means
    (a) speaking more than one language
    (b) speaking only one language
    (c) speaking any language
    (d) speech

    Answer: (a)

99. A child has been _____ ever since it was born
    (a) speaking
    (b) reading
    (c) walking
    (d) listening

    Answer: (d)

100. To know a language one must be able to?
    (a) Speak it as easily and naturally as a three year old child.
    (b) Read it well all the time.
    (c) Write it quickly
    (d) Sing in the language

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

General Awareness

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

Quantitative Aptitude

51	**(d)**	52	**(b)**	55	**(a)**	56	**(d)**	57	**(c)**	58	**(b)**	59	**(a)**	60	**(a)**
63	**(b)**	64	**(b)**	65	**(b)**	67	**(b)**	68	**(b)**	69	**(b)**	70	**(a)**	71	**(d)**
75	**(d)**														

English Comprehension

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