PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 4 September 2016, Shift 3

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

88 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: 12 (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 4 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-1-4-sep-shift-3/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Jailor : Prison :: Curator : ?
   (a) Cell
   (b) Museum
   (c) Warden
   (d) Cure
   Answer: (b)

2. Select the related word/letters/numbers from the given alternatives: FED : IHG :: ? : ?
   (a) ACB : GUV
   (b) TSR : WVU
   (c) VUK : LMO
   (d) DEF : IGH
   Answer: (b)

3. Select the related word/letters/numbers from the given alternatives: 9 : 25 :: 49 : ?
   (a) 36
   (b) 54
   (c) 64
   (d) 81
   Answer: (d)

4. For the following questions Find the odd word/letters/number from the given alternatives.
   (a) Teacher
   (b) Lawyer
   (c) Doctor
   (d) Manager
   Answer: (d)

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

(a) DEB

(b) RTP

(c) HIF

(d) NOL

Answer: (b)

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

(a) 6 , 612

(b) 5 , 521

(c) 4 , 46

(d) 7 , 543

Answer: (d)

7. Arrange the following words as per order in the dictionary.
1. Defect 2.Defence 3.Deerstalker 4.Defensive

(a) 2 , 3 , 1, 4

(b) 1, 3, 2, 4

(c) 4, 3, 1, 2

(d) 3, 1, 2, 4

Answer: (d)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
AZ , CX , FU , ?

(a) IR

(b) IV

(c) JQ

(d) KP

Answer: (c)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. 5 , 10 , 30 , ? , 600 , 3600

(a) 120

(b) 100

(c) 90

(d) 60

Answer: (a)

10. A person while buying a dress on sale spends Rs. 45 and saves Rs. 5, what is the percentage of his savings?

(a) 5%

(b) 10%

(c) 15%

(d) 20%

Answer: (b)

11. 2 litre of pure alcohol is added to 6 litre, 40% alcohol solution. The percentage of water in the solution is _____ .

(a) 65%

(b) 45%

(c) 55%

(d) 60%

Answer: (b)

12. From the given alternative words, select the word which can be formed using the letters of the given word: COMMUNICATION

(a) AMMUNITION

(b) MONITOR

(c) COUNTRY

(d) UNIFICATION

Answer: (a)

13. If 'HARBOUR' is written as 'IBSCPVS' , [illegible] is [illegible]BITAT' written in that code?

(a) GZAHSZS

(b) IBCJUBU

(c) IBAHSZS

(d) IBCJBUU

Answer: (b)

14. If '-' means 'x' , 'x' means '+' , '+' means '÷' and '÷' means '-' , then what will be the value of 40 x 12 + 3 - 6 ÷ 60 = ?

(a) 4

(b) 7

(c) 16

(d) 44

Answer: (a)

15. If 25 + 5 ÷ 2 = 40 , and 35 + 5 ÷ 2 = 60 , then 45 + 5 ÷ 2 = ?

(a) 90

(b) 70

(c) 60

(d) 80

Answer: (d)

16. Select the missing numbers from the given alternatives

(a) 35

(b) 40

(c) 17

(d) 23

Answer: (b)

17. A driver left his village and drove North for 20 km after which he stopped for breakfast. Then he turned left and drove another 30 km, when he stopped for lunch. After some rest, he again turned left and drove 20 km before stopping for evening tea. Once more he turned left and drove 30 km to reach the town where he had supper. After evening tea, in which direction did he drive?

(a) West

(b) East

(c) North

(d) South

Answer: (b)

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: 1. Some managers are young. 2. All boys are young. Conclusions: I. Some boys are managers. II. Some managers are boys.

(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: (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., L can be represented by 12,24, etc., and 'R' can be represented by 55, 67, etc. Similarly you have to identify the set for the word 'TONE'

(a) 85 , 40 , 58 , 75

(b) 66 , 21 , 77 , 56

(c) 97 , 33 , 65 , 44

(d) 78 , 57 , 89 , 32

Answer: (c)

General Awareness

26. Which of the following taxes is levied by the State Government only?

(a) Wealth tax

(b) Entertainment tax

(c) Income tax

(d) Gift tax

Answer: (b)

27. HDI is an aggregate measure of progress in which of the three dimensions?
    (a) Health, Education, Income
    (b) Food Security, Employment, Income
    (c) Agriculture, Industry, Services
    (d) Height, Weight, Colour

    Answer: (a)

28. The Working Committee of National Congress sanctioned the resolution named 'Quit India' at
    (a) Wardha
    (b) Nagpur
    (c) Mumbai
    (d) Delhi

    Answer: (a)

29. Preservation of historical articles is done in science of _____
    (a) Iconography
    (b) Numismatic
    (c) Museology
    (d) Epigraphy

    Answer: (c)

30. "Alfalfa" is the name of a _____
    (a) Mineral
    (b) Tribe
    (c) Grass
    (d) Town

    Answer: (c)

31. The chemical that is used to ripen mangoes is
    (a) Calcium sulphide
    (b) Calcium carbide
    (c) Calcium carbonate
    (d) Calcium chloride

    Answer: (b)

32. The term 'Smasher' is associated with which sport?
    (a) Hockey
    (b) Boxing
    (c) Volley Ball
    (d) Cricket

    Answer: (c)

33. _____ involves traversing the entire file system, marking everything that can be accessed.
    (a) Index pointer
    (b) Garbage collection
    (c) File system
    (d) Stack pointer

    Answer: (b)

34. Nylon threads are made of
    (a) Polyester polymer
    (b) Polyamide polymer
    (c) Polyvinyl polymer
    (d) Polysaccharide

    Answer: (b)

35. The longest railway line in the world connects _____
    (a) New York and Seattle
    (b) Leningrad and Vladivostok
    (c) Trivandrum and Guwahati
    (d) Perth and Sydney

    Answer: (b)

36. How many Constitutional Amendments to the Constitution of India have been made so far?
    (a) 122
    (b) 121
    (c) 120
    (d) 119

    Answer: (a)

37. The Chairman of the National Disaster Management Authority (NDMA) is
    (a) National Security Advisor
    (b) Prime Minister of India
    (c) Chief of DRDO
    (d) Home Minister of India

    Answer: (b)

38. When the offices of the President and Vice-President fall vacant simultaneously, who acts as President?
    (a) Prime Minister of India
    (b) The Chief Justice of India
    (c) The Speaker of Lok Sabha
    (d) The Comptroller and Auditor General of India

    Answer: (b)

39. Goitre is caused by the deficiency of _____
    (a) Zinc
    (b) Calcium
    (c) Iodine
    (d) Chlorine

    Answer: (c)

40. For photoelectric effect to take place, the metal used as the cathode should have_____
    (a) high melting point
    (b) low melting point
    (c) Low work function
    (d) low resistance

    Answer: (c)

41. The Speaker of the Lok Sabha can be removed from his office by_____
    (a) The President
    (b) The Prime Minister
    (c) a resolution passed by both Houses of Parliament
    (d) a resolution passed by the Lok Sabha

    Answer: (d)

42. What does Section 124A of Indian Penal Code deals with?
    (a) Atrocity against women
    (b) Sedition
    (c) Crime for demanding dowry
    (d) Atrocity against SC / ST

    Answer: (b)

43. Which instrument is used for photographing the Sun?
    (a) Galvanometer
    (b) Potentiometer
    (c) Spectrophotometer
    (d) Spectroheliograph

    Answer: (d)

44. Which country won 2016 Men's Hockey Champions Trophy ?
    (a) India
    (b) Germany
    (c) Belgium
    (d) Australia

    Answer: (d)

45. Which of the following countries is not a member of G-8?
    (a) USA
    (b) UK
    (c) Germany
    (d) Russia
    Answer: (d)

46. The main protein found in milk is _____
    (a) Albumin
    (b) Globulin
    (c) Globin
    (d) Casein
    Answer: (d)

47. Which organ gets affected in Weil's disease?
    (a) Liver
    (b) Lung
    (c) Heart
    (d) Kidney
    Answer: (d)

48. Which of the following was the Official slogan for 2016 Rio Olympic and Para Olympic Games?
    (a) Welcome Home
    (b) A New World
    (c) Love & Save Nature
    (d) Inspire a Generation
    Answer: (b)

49. The Daily Weather Map of India is prepared and printed at_____
    (a) Kolkata
    (b) Mumbai
    (c) New Delhi
    (d) Pune
    Answer: (d)

50. The capital of the Mauryan Kingdom was located at_____
    (a) Pataliputra
    (b) Vaishali
    (c) Lumbini
    (d) Gaya
    Answer: (a)

Quantitative Aptitude

51. A canteen requires 56 kgs of rice for seven days . The quantity of rice required for the months of April and May together is

(a) 468 kg

(b) 488 kg

(c) 498 kg

(d) 508 kg

Answer: (b)

52. A shopkeeper earns a profit of 15% after selling a book at 20% discount on the printed price . The ratio of the cost price and printed price of the book is

(a) 20:23

(b) 23:20

(c) 16:23

(d) 23:16

Answer: (c)

53. A car travels 80 km in 2 hours and a train travels 180 km in 3 hours . The ratio ofspeed of the car to the train is

(a) 2:3

(b) 3:2

(c) 3:4

(d) 4:3

Answer: (a)

54. A shopkeeper offers 2.5% discount on cash purchases . What cash amount would Rohit pay for a cycle , the marked price of which is ₹ 3600 ?

(a) Rs. 3490

(b) Rs. 3500

(c) Rs. 3510

(d) Rs. 3520

Answer: (c)

55. Due to a price hike of 20% , 4 kg less sugar is available for ₹ 120 . What is the initial price per kg of sugar ?

(a) ₹ 5 / kg

(b) ₹ 4 /kg

(c) ₹ 6 /kg

(d) ₹ 5.5 / kg

Answer: (a)

56. A man walks 1 km on 1st day , 2 km on 2nd day , 3 km on 3rd day and so on . The total distance the man covers in 10 days is

(a) 40 km

(b) 50 Km

(c) 55 Km

(d) 58 Km

Answer: (c)

57. The rate of simple interest for which a sum of money becomes 5 times in 8 years is

(a) 30%

(b) 40%

(c) 50%

(d) 55%

Answer: (c)

58. If a2+ b2 +c2 = 83 and a + b + c = 15 then the value of ab + bc + ca is

(a) 69

(b) 70

(c) 71

(d) 72

Answer: (c)

59. If (√3 + 1)2 = x + √3y , then the value of x + y is

(a) 2

(b) 4

(c) 6

(d) 8

Answer: (c)

60. T is a point on the common tangents at P of two circles and if TA and TB are resectively the other tangents at A and B to the two circles drawn from the point T then

(a) TA = 2 TB

(b) TA = TB

(c) TA = 1/2 TB

(d) 3TA = TB

Answer: (b)

61. In a triangle XYZ , which of the following conditions is true XYZ

(a) XY - YZ > ZX

(b) XY + YZ < ZX

(c) XY - YZ < XZ

(d) XY + ZX < YZ

Answer: (c)

62. If sin (3x - 20°) = cos (3y + 20°), then find the value of (x + y).
    (a) 90°
    (b) 60°
    (c) 120°
    (d) 30°
    Answer: (d)

63. If 1/2 is added to a number and the sum is multipled by 3, the result is 21. Then the number is
    (a) 6.5
    (b) 5.5
    (c) 4.5
    (d) -6.5
    Answer: (a)

64. The average temperature for Monday, Tuesday, Wednesday and Thursday was 48° . The average temperature for Tuesday, Wednesday, Thursday and Friday was 52°, If the temperature on Monday was 42°, then the temperature on Friday was (in degrees)
    (a) 58
    (b) 56
    (c) 52
    (d) 50
    Answer: (a)

65. If m - n = 2 , mn = 15 , (m , n > 0) then the value (m2 - n2) (m3 - n3) is
    (a) 1856
    (b) 1658
    (c) 1586
    (d) 1568
    Answer: (d)

66. If P= 9 , Q = √17 then the value of (p2-q2)-1/3is equal to
    (a) 4
    (b) 1/4
    (c) 3
    (d) 1/3
    Answer: (b)

67. If angles of measure (5y + 62°) and (22° + y) are supplementary , then value of y is
    (a) 16°
    (b) 32°
    (c) 8°
    (d) 1°
    Answer: (a)

68. From the circumcentre I of the triangle ABC, perpendicular ID is drawn on BC. If ∠BAC = 60°, then the value of ∠BID is

(a) 60°

(b) 80°

(c) 75°

(d) 45°

Answer: (a)

70. The ratio of the weights of two spheres is 8 : 27 and the ratio of weights per 1 cc of materials of two is 8 : 1 . The ratio of the radii of the spheres is

(a) 2:3

(b) 1:3

(c) 3:1

(d) 3:2

Answer: (b)

71. On a ground , there is a vertical tower with a flagpole on its top . At a point 9 m away from the foot of the tower , the angles of elevation of the top and bottom of the flagpole are 60° and 30° respectively . The height of the flagpole is

(a) 5√3 m

(b) 6√3 m

(c) 6√2m

(d) 6√5 m

Answer: (b)

72. Shown below is the multiple bar diagram depicting the changes in the students strength of a college in four faculties from 1990 -91 to 1992 - 93. (scale 1 cm = 100)
A regular decrease in student's strength was in the faculty of

(a) Arts

(b) Science

(c) Commerce

(d) Law

Answer: (a)

73. Shown below is the multiple bar diagram depicting the changes in the students strength of a college in four faculties from 1990 -91 to 1992 - 93. (scale 1 cm = 100)
How much percent was the increase in science students in 1992 - 93 over 1990 - 91 ?

(a) 50%

(b) 150%

(c) 662/3%

(d) 75%

Answer: (a)

74. Shown below is the multiple bar diagram depicting the changes in the students strength of a college in four faculties from 1990 -91 to 1992 - 93. (scale 1 cm = 100)
Ratio of the number of commerce students to the number of law students from 1990 - 91 to 1992 - 93 is

(a) 6:7

(b) 7:6

(c) 14:1

(d) 2:8

Answer: (b)

75. Shown below is the multiple bar diagram depicting the changes in the students strength of a college in four faculties from 1990 -91 to 1992 - 93. (scale 1 cm = 100)
During which year the strength of arts faculty was minimum ?

(a) 1990 - 91

(b) 1991 - 92

(c) 1992 - 93

(d) 1993 - 94

Answer: (c)

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. JUBILANT

(a) SOMBRE

(b) DEJECTED

(c) JOCULAR

(d) REJOICING

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. COURAGE

(a) BRAVERY

(b) WEAKNESS

(c) COWARDICE

(d) FEAR

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) Commensurate

(b) Commensarate

(c) Commansurate

(d) Comansurate

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. He was not able to concentrate (A) / because of the continual music (B) / being played next door. (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. Still (A) / waters (B) / run deep. (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. The job is (A) / under the direct (B) / of Mrs Jones. (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. Pour the juice _____ the glass.

(a) in

(b) into

(c) onto

(d) on

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. I have been _____ this problem since noon.

(a) working into

(b) working on

(c) working for

(d) with after

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. Sushma has a deep _____ for drunkards.

(a) hatred

(b) hate

(c) hated

(d) hating

Answer: (a)

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. Couch potato

(a) An old person who has old-fashioned ideas.

(b) A person who prefers to watch television.

(c) A person who does not seem very friendly.

(d) Someone who stays calm and does not show their emotions.

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. Carry the ball

(a) Decorate the ball

(b) Be in charge

(c) Take the decision

(d) Be the hostess

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. Turned down

(a) Subject

(b) Object

(c) Reject

(d) Deject

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. One who copies from other writers

(a) Pluralist

(b) Imitator

(c) Plagiarist

(d) Copycat

Answer: (c)

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. Thing that can be felt or touched

(a) Pandemic

(b) Palpable

(c) Paltry

(d) Panchromatic

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. The scientific study of elections

(a) Pathology

(b) Palaeontology

(c) Psephology

(d) Philology

Answer: (c)

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. A guest speaker was addressing the faculty and the students in the college auditorium. I had joined the faculty the year before, and was already drawing attention. I was 27, full of assumptions about myself, quick with a comment on everything, and expected people to pay attention to all that I had said. I listened to the talk for the first five minutes. By the seventh, I was looking around to check if others were listening. By the tenth, I had glanced at my watch three times, and yawned once. After twenty minutes I was thoroughly bored, and telling myself that it was difficult to sit through such an insipid talk. I wanted to share some of my expert comments with my neighbour. But he was completely sold out to the speaker, and looked like it was the greatest day of his life. I was disgusted. I tried to catch a word or phrase from the talk, only to convince myself that this should be his last talk ever. The one-hour talk took ages to end, and before the thanks were said, I jumped to my feet with a sigh of relief. My neighbour smiled at me and said, "The talk was wonderful, wasn't it?" I retorted, "It almost killed me with kindness".

96. What do you understand about the narrator from the description in the first paragraph?

(a) He was a genius

(b) He was knowledgeable

(c) He was self conceited

(d) He was charismatic

Answer: (c)

97. How did the narrator respond to the speech?

(a) He was glued

(b) He was bored

(c) He did not mind it

(d) He was engrossed in it

Answer: (b)

98. The narrator was disgusted because
    (a) His neighbour was engrossed in an insipid talk
    (b) The talk was boring
    (c) He could not understand it
    (d) He was impatient

    Answer: (a)

99. When the speech ended the narrator was
    (a) Happy
    (b) Relieved
    (c) Exhausted
    (d) Disgusted

    Answer: (b)

100. How long did the narrator listen to the speech without judgement?
    (a) Seven minutes
    (b) Ten minutes
    (c) Five minutes
    (d) Twenty minutes

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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