PREVIOUS YEAR PAPER

# SSC CGL 2016 Tier I — 30 August 2016, Shift 1

SSC CGL · 30 August 2016 · 10:00 AM - 11:15 AM

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 30 August 2016, 10:00 AM - 11:15 AM. 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-1-30-aug-shift-1/

## General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Flow : River :: Stagnant : ?
   (a) Pond
   (b) Rain
   (c) Stream
   (d) Canal
   **Answer: (a)**

2. Select the related word/letters/number from the given alternatives. AEIM : BFJN :: CGKO : ?
   (a) DHLI
   (b) ZVRP
   (c) BCDK
   (d) MPQR
   **Answer: (a)**

3. Select the related word/letters/number from the given alternatives. 24 : 60 :: 210 : ?
   (a) 348
   (b) 336
   (c) 340
   (d) 326
   **Answer: (b)**

4. For the following questions Find the odd word/letters/number pair from the given alternatives.
   (a) Shimla
   (b) Ooty
   (c) Darjeeling
   (d) Agra
   **Answer: (d)**

5. For the following questions umber pair from the given alternatives.

(a) 64

(b) 900

(c) 343

(d) 1000

**Answer: (b)**

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

(a) NSWX

(b) KPSU

(c) HMQR

(d) EJNO

**Answer: (b)**

7. Arrange the following words as per order in the dictionary
1. Maternity 2.Matriarchy 3. Matchbox 4. Matricide

(a) 3,1,2,4

(b) 4,3,1,2

(c) 3,4,1,2

(d) 1,3,4,2

**Answer: (a)**

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
EDBA, KJHG, QPNM, ?

(a) WVTS

(b) WXUV

(c) WVST

(d) WVTX

**Answer: (a)**

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
463, 452, 439, 424, ?

(a) 407

(b) 413

(c) 419

(d) 411

**Answer: (a)**

10. At present, the ratio between the ages of Arun and Deepak is 4:3 . After 6 years, Arun's age will be 26 years. What is the age of Deepak at present?

(a) 12 years

(b) 15 years

(c) 19½ years

(d) 25 years

**Answer: (b)**

11. X is the husband of Y. W is the daughter of X. Z is the husband of W. N is the daughter of Z. What is the relationship of N to Y?

(a) Cousin

(b) Niece

(c) Daughter

(d) Grand daughter

**Answer: (d)**

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

(a) DETENTION

(b) DESTINATION

(c) TERMINATE

(d) DOMINATE

**Answer: (b)**

13. If GOODNESS is coded as HNPCODTR [illegible] GR[illegible]NESS will be coded as

(a) HQZFBMFRT

(b) HPFZUMERT

(c) HQEZUMFTR

(d) HQFZUMFRT

**Answer: (d)**

14. Complete the third equation on the basis of a certain system followed in the first two equations. (1) 5*4*2*1 = 1425 (2) 7*8*1*6 = 6817 (3) 9*3*7*5 = ?

(a) 3795

(b) 5397

(c) 5973

(d) 5379

**Answer: (d)**

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

(a) 18 ÷ 3 x 2 + 8 - 6 = 10

(b) 18 - 3 + 2 x 8 ÷ 6 = 14

(c) 18 - 3 ÷ 2 x 8 + 6 = 17

(d) 18 x 3 + 2 ÷ 8 - 6 = 15

**Answer: (b)**

16. Find missing pair of letters from given responses to replace ?

(a) HR

(b) HS

(c) HV

(d) HU

**Answer: (b)**

17. X walked 20 feet from A to B in the East direction. Then X turned to the right and walked 6 feet. Again X turned to the right and walked 28 feet. How far is X from A ?

(a) 28

(b) 9

(c) 10

(d) 27

**Answer: (c)**

18. Consider the given statement/s to be true and d[illegible]de which of the given conclusions/ assumptions can definitely be drawn from [illegible]give[illegible]tatement. Statement: The situation calls for an immediate action Assumptions: I. The situatio[illegible]ious. II. Immediate action is possible.

(a) only I is an assumption

(b) only II is an assumption

(c) Both I and II are assumptions

(d) Neither I or II is an assumption

**Answer: (d)**

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., G can be represented by 04, 40, etc., and 'K' can be represented by 56, 75, etc. You have to identify the set for the word 'HILL'

(a) 56, 58, 03, 02

(b) 55, 77, 69, 85

(c) 56, 62, 03, 02

(d) 57, 60, 10, 02

**Answer: (b)**

## General Awareness

26. Who among the following is not a member of the National Development Council?
    (a) The Prime Minister
    (b) The Member of NITI Aayog
    (c) The Chief Ministers of States
    (d) The President of India

    **Answer: (d)**

27. The rate of tax increase as the amount of the tax base increases is called
    (a) Proportional tax
    (b) Progressive tax
    (c) Regressive tax
    (d) Degressive tax

    **Answer: (b)**

28. The supply-side economics lays greater emphasis on _____
    (a) Producer
    (b) Global economy
    (c) Consumer
    (d) Middle Man

    **Answer: (a)**

29. The founding father of "Theory of bureaucracy" was
    (a) F. W. Taylor
    (b) Max Weber
    (c) Elton Mayo
    (d) Herbert Simon

    **Answer: (b)**

30. The United Nations Organisation came into existence in
    (a) 1947
    (b) 1950
    (c) 1945
    (d) 1946

    **Answer: (c)**

31. Abdul Fazal was the son of which Sufi saint?
    (a) Sheikh Mubarak
    (b) Hazarat Kwaja
    (c) Nasiruddin Chirag
    (d) Baba Qutubuddin Bakhtiyar Kaki

    **Answer: (a)**

32. French revolution broke out in the year :
    (a) 1917
    (b) 1911
    (c) 1789
    (d) 1790
    **Answer: (c)**

33. The song "Vande Mataram" occurs in the book _____
    (a) Geetanjali
    (b) Anandmath
    (c) Indian People
    (d) Poverty and Un - British Rule in India
    **Answer: (b)**

34. Which mosquito is the carrier of Zika virus?
    (a) Culex
    (b) Aedes
    (c) Anopheles
    (d) Culiseta
    **Answer: (b)**

35. Geothermal energy is maximum utilised in _____
    (a) Iceland
    (b) New Zealand
    (c) Russia
    (d) Japan
    **Answer: (a)**

36. Root cap is derived from
    (a) Dermatogen
    (b) Calyptrogen
    (c) Protoderm
    (d) Histogen
    **Answer: (b)**

37. The blotting technique used to identify the isolated protein is _____
    (a) Northern blotting
    (b) Western blotting
    (c) Southern blotting
    (d) Cloning
    **Answer: (b)**

38. Morphology of Chromosomes can be best studied at _____
    (a) Interphase
    (b) Prophase
    (c) Metaphase
    (d) Zygotene
    **Answer: (c)**

39. The 'Choke' used with a tube light is basically ____
    (a) an inductor
    (b) a capacitor
    (c) a transformer
    (d) a resistor
    **Answer: (a)**

40. Curie is an unit of _____
    (a) Radioactivity
    (b) energy of Gamma rays
    (c) intensity of Gamma rays
    (d) work function
    **Answer: (a)**

41. In Networks, WEP stands for
    (a) Wireless Equivalent Privacy
    (b) Wired Extra Privacy
    (c) Wired Equivalent Privacy
    (d) Wireless Embedded Privacy
    **Answer: (c)**

42. For extinguishing fire, we use_____
    (a) Hydrogen
    (b) Carbon Monoxide
    (c) Carbon Dioxide
    (d) Marsh gas
    **Answer: (c)**

43. The chemical name of quartz is _____
    (a) Calcium oxide
    (b) Calcium phosphate
    (c) Sodium phosphate
    (d) Sodium silicate
    **Answer: (d)**

44. Continuous chain of mountains that rise abruptly more or less parallel to the coastline of India is
    (a) Aravalli
    (b) Satpura
    (c) Eastern ghats
    (d) Western ghats

    **Answer: (d)**

45. The biggest reserves of Thorium are in ____
    (a) China
    (b) USA
    (c) India
    (d) France

    **Answer: (c)**

46. Which of the following became the first country in the world to legalise euthanasia?
    (a) Belgium
    (b) Netherlands
    (c) Denmark
    (d) Canada

    **Answer: (b)**

47. Which of the following countries won Euro Cup 20 (football)?
    (a) France
    (b) Germany
    (c) Portugal
    (d) Iceland

    **Answer: (c)**

48. Shivkumar Sharma is famous for playing the ____
    (a) Sitar
    (b) Flute
    (c) Santoor
    (d) Tabla

    **Answer: (c)**

49. Who among the following is popularly known as 'Blade Runner'?
    (a) Usain Bolt
    (b) Oscar Carl Pistorious
    (c) Carl Lewis
    (d) Ben Johnson

    **Answer: (b)**

50. FCRA administered by the Ministry of Home Affairs stands for _____?

(a) Foreign Currency Regulation Act

(b) Foreign Contribution Regulation Act

(c) Foreign Contract Regulation Act

(d) Foreign Cartel Restriction Act

**Answer: (b)**

## Quantitative Aptitude

51. The product of two positive integers is 2048 and one of them is twice the other . Then the small of the number is

(a) 32

(b) 64

(c) 16

(d) 1024

**Answer: (a)**

52. A and B can do a work in 8 days, B and C can do the same work in 12 days. A, B and C together can finish it in 6 days. A and C together will do it in :

(a) 4 days

(b) 6 days

(c) 8days

(d) 12 days

**Answer: (c)**

54. An article marked at Rs. 540 is sold at Rs. [illegible] in an off-season offer. Then the rate of descount offered (in percent) is

(a) 7

(b) 7.5

(c) 8

(d) 10

**Answer: (c)**

55. Three numbers are in the ratio 5:7:12. If the sum of the first and the third is greater than the second by 50.The sum of the three numbers is

(a) 125

(b) 120

(c) 95

(d) 85

**Answer: (b)**

56. The average age of 10 children is 9 years 9 months. The average of 9 children is 8 years 11 months. What is the age of the tenth child ?

(a) 17 years 3 months

(b) 18 years 4 months

(c) 17 years 5 months

(d) 18 years 3 months

**Answer: (a)**

57. Gopi goes from place A to B to buy an article costing 15% less at B. although he spends Rs. 150 on travelling, still he gains Rs. 150 compared to buying it at A. His profit percent is :

(a) 4.5

(b) 6

(c) 7.5

(d) 8

**Answer: (c)**

58. If the income of Mohan is 150% higher than Mahesh, then by what percent the income of Mahesh is less than Mohan ?

(a) 40%

(b) 50%

(c) 60%

(d) 45%

**Answer: (c)**

59. The length of a train and that of a platf[illegible] are [illegible]ual. If with a speed of 90 km/hr the train crosses the platform in one minute, then the l[illegible] of the train (in meters) is

(a) 500

(b) 600

(c) 750

(d) 900

**Answer: (c)**

60. The simple interest on a certain sum of money for 2 years at 5% is Rs. 1600. The compound interest at the same rate after 3 years interest compound annually, is

(a) Rs.2520

(b) Rs.2522

(c) Rs.2555

(d) Rs.2535

**Answer: (b)**

64. If x = 99, then the value of 2(x2 + 3x + 3 ) is equal to

(a) 1000001

(b) 1000000

(c) 999999

(d) 9999999

**Answer: (c)**

65. The centroid of a triangle Δ ABC is G. If the area of Δ ABC = 72 sq. units , then the area of Δ BGC is

(a) 16 sq units

(b) 24 sq units

(c) 36 sq units

(d) 48 sq units

**Answer: (b)**

66. In case of an acute angled triangle, its orthocentre lies

(a) inside the triangle

(b) outside the triangle

(c) on the traingle

(d) on one of the vertex of the triangle

**Answer: (a)**

67. If ΔPQR and ΔLMN are similar and 3PQ = LM and [illegible] = 9 cm, then QR is equal to :

(a) 12 cm

(b) 6 cm

(c) 9 cm

(d) 3 cm

**Answer: (d)**

69. If x2 = sin2 30°+ 4 cot2 45° - sec2 60°, then the value of x (x >0) is

(a) -½

(b) 1

(c) 0

(d) ½

**Answer: (d)**

71. An observer on the top of a mountain, 500 m above the sea level, observes the angles of depression of the two boats in his same place of vision to be 45° and 30° respectively. Then the distance between the boats, if the boats are on the same side of the mountain, is

(a) 456 m

(b) 584 m

(c) 366 m

(d) 699 m

**Answer: (c)**

75. Study the bar diagram and answer the following questions.
The ratio of the average of the marks obtained in Biology for two terms to the average of the marks obtained in English and Mathematics for first term only is

(a) 43:92

(b) 39:42

(c) 29:34

(d) 23:94

**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. VENIAL

(a) CORRUPT

(b) SUPERFICIAL

(c) RESPECTED

(d) PARDONABLE

**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. DIFFIDENT

(a) SHY

(b) BRAVE

(c) CONFIDENT

(d) MEEK

**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. We must go (A) / and congratulate him for (B)/ his brilliant success (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. My brother (A) / along with his friends (B) / are going on a tour (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. You have prepared well (A) / for the examination (B) / isn't it ? (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. What good fortune! I found the very thing I was _____!

(a) looking in

(b) looking to

(c) looking besides

(d) looking for

**Answer: (d)**

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 swimmer _____ his clothes and jumped into the river.

(a) took off

(b) took of

(c) took out

(d) took down

**Answer: (a)**

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 will _____ to Singapore next month.

(a) be travelling

(b) be travel

(c) travels

(d) am travelled

**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. Made light of

(a) Did not hear

(b) Treated it lightly

(c) Blew away

(d) Carried with him

**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. Every inch a gentleman

(a) Somewhat

(b) Partly

(c) Entirely

(d) Calculatively

**Answer: (c)**

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. Gall and wormwood

(a) A problem

(b) Hateful

(c) Useless

(d) Hard to digest

**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. A rough, violent, troublesome person.

(a) Tartar

(b) Talker

(c) Vagabond

(d) Swindler

**Answer: (a)**

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 brave, noble-minded or chivalrous man

(a) Handsome

(b) Robust

(c) Gallant

(d) Reckless

**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. Obsession with books

(a) Bibliomania

(b) Megalomania

(c) Xenophobia

(d) Egomania

**Answer: (a)**

**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. Mary Garden, a noted opera singer, earned a great deal of money during her career, but was constantly bothered by the demands of her father for money - and always in large sums. Miss Garden would always give it to him, though often she would often complain that his requests seemed somewhat unreasonable. To this the stock reply was that he needed the money for a very special project. She was not going to refuse her father, was she ? During the depression Miss Garden, like many others, lost her money in the stock market crash. Shortly afterward, her father died, and, much to her surprise, she was notified that he had left a large bank account in her name. He had saved for her every cent she had given him. The demands God makes on us may seem hard at times. But all the while He is actually helping us to store up an 'eternal bank account' in heaven - one which may balance the scales in our favour when we least expect it. Troubles are often the instruments by which God fashions us for better things.

96. Mary's father made demands for _____
    (a) a small sum of money
    (b) large sums of money
    (c) no money
    (d) a reasonable sum of money

    **Answer: (b)**

97. Mary _____ to the demands of her father.
    (a) could not refuse to pay any attention
    (b) wanted to refuse to pay any attention
    (c) finally refused to pay any attention
    (d) initially refused to pay any attention

    **Answer: (a)**

98. Mary's father had _____ all the money he took from her.
    (a) gambled
    (b) wasted
    (c) invested
    (d) saved

    **Answer: (d)**

99. During the depression Mary _____ in the stock market.
    (a) lost no money at all
    (b) lost her money
    (c) lost some money
    (d) lost lot of money

    **Answer: (b)**

100. God at times, makes hard demands so that He _____ when we least expect it.

(a) can balance the scales against us

(b) can balance the scales in our favour

(c) can harm us

(d) can refuse to assist us

**Answer: (b)**

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

## General Awareness

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

## Quantitative Aptitude

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | **(a)** | 52 | **(c)** | 54 | **(c)** | 55 | **(b)** | 56 | **(a)** | 57 | **(c)** | 58 | **(c)** | 59 | **(c)** |
| 60 | **(b)** | 64 | **(c)** | 65 | **(b)** | 66 | **(a)** | 67 | **(d)** | 69 | **(d)** | 71 | **(c)** | 75 | **(c)** |

## English Comprehension

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | **(d)** | 77 | **(c)** | 79 | **(b)** | 80 | **(c)** | 81 | **(c)** | 82 | **(d)** | 83 | **(a)** | 84 | **(a)** |
| 85 | **(b)** | 86 | **(c)** | 87 | **(b)** | 88 | **(a)** | [illegible] | **(c)** | 90 | **(a)** | 96 | **(b)** | 97 | **(a)** |
| 98 | **(d)** | 99 | **(b)** | 100 | **(b)** | | | | | | | | | | |