PREVIOUS YEAR PAPER

# SSC CGL 2017 Tier I — 17 August 2017, Shift 2

SSC CGL · 17 August 2017 · Shift 2

88 of the paper's 96 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 8 (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 17 August 2017, Shift 2. 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-2017-tier-1-17-aug-shift-2/

## General Intelligence and Reasoning

1. Select the odd letters from the given alternatives.
   (a) CEG
   (b) UXZ
   (c) ORT
   (d) ILN

   **Answer: (a)**

2. Select the odd number from the given alternatives.
   (a) 75
   (b) 65
   (c) 82
   (d) 85

   **Answer: (c)**

3. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. isobar, artist, statute, teapot, otters, ?
   (a) pencil
   (b) erect
   (c) tongue
   (d) meter

   **Answer: (b)**

4. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. XX, XOX, XXXX, XXOXX, XXXXXX, ?
   (a) XXXOXXXX
   (b) XXXOXXX
   (c) XXXXXXX
   (d) XXXOXXXO

   **Answer: (b)**

5. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. 3, 5/3, 1/3, ? , -7/3, -11/3

(a) -2/3

(b) -4/3

(c) -1

(d) -2

**Answer: (c)**

6. Divit's birthday is on Friday 30th June. On what day of the week will be Samar's Birthday in the same year if Samar was born on 15th November?

(a) Tuesday

(b) Friday

(c) Wednesday

(d) Saturday

**Answer: (c)**

7. The weights of 4 boxes are 100, 70, 50 and 90 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes and in a combination a box can be used only once?

(a) 310

(b) 260

(c) 230

(d) 210

**Answer: (c)**

8. From the given words, select the word which cannot be formed using the letters of the given word. RECLINES

(a) SINCE

(b) RELIC

(c) LINER

(d) SCARE

**Answer: (d)**

9. If REGAINS is coded as QDFZHMR, then how will PRY be coded as?

(a) BJX

(b) OQX

(c) LFT

(d) PSU

**Answer: (b)**

10. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question? 45 x 5 + 2 - 20 = ?
ENROLL NOW
READ THEIR STORIES !

(a) 17
(b) 81
(c) 38
(d) 64

**Answer: (c)**

11. If 5@1=60; 12@8=200; 16@2=180; then what is the value of 16@10=?

(a) 32
(b) 11
(c) 9
(d) 260

**Answer: (d)**

13. Two women A and B are shopping in a mall. They start from the same point. A walks 150 m West, then turns to her left and walks 160 m. B walks 140 m East, then turns South and walks 160 m, then turns to her left and walks 120 m. Where is B with respect to A now?

(a) 410 m West
(b) 410 m East
(c) 170 m East
(d) 170 m West

**Answer: (b)**

14. In the question a statement is given, followed by two arguments, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, is a strong argument. Statement : Should eating paan at public places be made punishable? Argument I : Yes, people eat pan and spit and makes public places dirty. Argument II : No, Indians love paan.

(a) if only argument I is strong.
(b) if only argument II is strong.
(c) if both I and II are strong.
(d) if neither I nor II is strong.

**Answer: (a)**

22. The _____ exchange rate is the relative price of foreign goods in terms of domestic goods.

(a) Artificial
(b) Nominal
(c) Fixed
(d) Real

**Answer: (d)**

23. _____ is an alternative way of representing the production function.
    (a) The Short Run
    (b) The Long Run
    (c) Isoquant
    (d) Average product

    **Answer: (c)**

24. "United Nations Organization" is listed in the _____ list given in the Seventh Schedule in the Constitution of India.
    (a) Union
    (b) State
    (c) Global
    (d) Concurrent

    **Answer: (a)**

25. There are total _____ parliamentary seats (Rajya Sabha constituency) in Punjab.
    (a) 7
    (b) 1
    (c) 18
    (d) 10

    **Answer: (a)**

## General Awareness

26. Big landlords or warrior chiefs in the se[illegible]th c[illegible]ury were acknowledged as _____ by the existing kings?
    (a) Rashtrakutas
    (b) Chalukya
    (c) Samantas
    (d) Brahmanas

    **Answer: (c)**

27. The Agra fort was built by _____.
    (a) Shah Jahan
    (b) Akbar
    (c) Jahangir
    (d) Babur

    **Answer: (b)**

28. How many states does India have as of June 2017?
    (a) 26
    (b) 27
    (c) 28
    (d) 29

    **Answer: (d)**

29. The northern plain of India has been formed by the interplay of the three major river systems, namely– the Indus, the Ganga and the _____.

(a) Brahmaputra

(b) Krishna

(c) Kaveri

(d) Mahanadi

**Answer: (a)**

30. In the names Mangifera indica (mango), Solanum tuberosum (potato) and Panthera leo (lion), what does the three names, indica, tuberosum and leo, represent?

(a) Binomial Nomenclature

(b) Taxonomic Hierarchy

(c) Identification

(d) Specific Epithet

**Answer: (d)**

31. _____ are chlorophyll-bearing, simple, thalloid, autotrophic and largely acquatic (both fresh water and marine) organisms. _____

(a) Pteridophytes

(b) Bryophytes

(c) Algae

(d) Gymnosperms

**Answer: (c)**

32. Animals like annelids and arthropods e[illegible]ther[illegible]e body can be divided into identical left and right halves in only one plane, exhibit _____ [illegible]etry.

(a) Coelenterata

(b) Radial

(c) Ctenophora

(d) Bilateral

**Answer: (d)**

33. If the orbit of a planet is an ellipse then what is the point at which the Sun is located called?

(a) Centre

(b) Circumcentre

(c) Incentre

(d) Focus

**Answer: (d)**

34. The sliding friction is _____ than the static friction.

(a) double

(b) same

(c) greater

(d) smaller

**Answer: (d)**

35. _____ optical data storage is a technology where data is stored in multiple layers in the optical disc.

(a) 3D
(b) 30D
(c) 300D
(d) 3000D

**Answer: (a)**

36. Kelvin (K) is the unit of measurement of _____.

(a) Density
(b) Pressure
(c) Mass
(d) Temperature

**Answer: (d)**

37. What is the process of rust forming on iron called?

(a) Rusting
(b) Crystallisation
(c) Shovel
(d) Spade

**Answer: (a)**

38. _____ acts as a shield absorbing ultraviolet radiation from the sun.

(a) Chlorofluorocarbons
(b) Stratosphere
(c) Ozone hole
(d) Greenhouse

**Answer: (b)**

39. _____ scheme launched by the Central Government aims to spur social, economic and infrastructure development in rural areas by developing a cluster of 300 Smart Villages.

(a) Soil Health Card
(b) Shyama Prasad Mukherji Rurban Mission
(c) Pradhan Mantri Fasal Bima Yojana
(d) Pradhanmantri rojgar yojna

**Answer: (b)**

40. Who invented the electrocardiogram (ECG)?

(a) Willem Einthoven
(b) Edward Jenner
(c) Antonio de Ulloa and Charles Wood
(d) Karl Benz

**Answer: (a)**

41. Who is the winner of 2017 Formula One Chinese Grand Prix?
    (a) Sebastian Vettel
    (b) Lewis Hamilton
    (c) Valtteri Bottas
    (d) Kimi Raikkonen

    **Answer: (b)**

42. In which city of India is Charminar located?
    (a) Pune
    (b) Delhi
    (c) Aurangabad
    (d) Hyderabad

    **Answer: (d)**

43. Which of the following was the winner of the Grammy Awards 2016 "Record of the Year"?
    (a) Uptown Funk
    (b) Really Love
    (c) Thinking Out Loud
    (d) Blank Space

    **Answer: (a)**

44. 1. The author of the novel 'Darkness at Noon' is V[illegible]r LaValle. 2. The author of the novel 'The Great Gatsby' is F. Scott Fitzgerald. 3. The author of [illegible] novel 'The Sound and the Fury' is L. Ron Hubbard. Which of the statements given above are [illegible] correct?
    (a) 1 and 2
    (b) 2 and 3
    (c) 1 and 3
    (d) 1, 2 and 3

    **Answer: (c)**

45. What was Norway's rank in 2016 Human Development Index published by the United Nations Development Programme?
    (a) 1
    (b) 10
    (c) 100
    (d) 200

    **Answer: (a)**

46. Which country is not a member of Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)?
    (a) Thailand
    (b) Myanmar
    (c) India
    (d) Pakistan

    **Answer: (d)**

47. What is the value of 9991 x 10009?

(a) 99999099

(b) 99999819

(c) 99999919

(d) 99999019

**Answer: (c)**

48. A can do 1/3rd of a job in 3 days and B can do half of the job in 9 days. If they work on it together, then in how many days can they finish half of the job?

(a) 4

(b) 5

(c) 6

(d) 3

**Answer: (d)**

49. What is the area (in sq cm) of a rhombus if the lengths of its diagonals are 25 cm and 20 cm?

(a) 500

(b) 250

(c) 125

(d) 200

**Answer: (b)**

50. If a shopkeeper sells an item at Rs 4200 which is marked as Rs 4800, then what is the discount (in %) that he is offering?

(a) 12.5

(b) 14.28

(c) 10

(d) 15

**Answer: (a)**

## Quantitative Aptitude

51. The flight fare between two cities is increased in the ratio 11:13. What is the increase (in Rs) in the fare, if the original fare was Rs 12100?

(a) 14300

(b) 2200

(c) 22000

(d) 1430

**Answer: (b)**

52. 3 numbers whose average is 112, the first number is 1/6th the sum of other 2. What is the first number?

(a) 45

(b) 30

(c) 15

(d) 48

**Answer: (d)**

53. A trader buys 800 kgs of tomatoes for Rs 7200. 10% tomatoes are damaged in transportaion. At what rate (Rs/Kg) should he sell the rest to earn 30% profit?

(a) 9

(b) 13

(c) 10

(d) 12

**Answer: (b)**

54. A student has to secure 35% marks to pass in a subject. If he gets 82 and fails by 23 marks. What is the maximum marks of the subject?

(a) 300

(b) 250

(c) 350

(d) 400

**Answer: (a)**

55. A spaceship travels at 810 km/hr. How many metres does it travel in 1/5th of a second?

(a) 60

(b) 45

(c) 75

(d) 90

**Answer: (b)**

56. If the amount received at the end of 2nd and 3rd year as Compound Interest on a certain Principal is Rs 2100, and Rs 2268 respectively, what is the rate (in %) of interest?

(a) 7

(b) 8

(c) 9

(d) 10

**Answer: (b)**

57. If 5x - (1/2)(2x -7) = 5.5, then what is the value of x?

(a) 3/2

(b) 1/2

(c) -1/2

(d) -3/2

**Answer: (b)**

58. If a + b = 4 and ab = -5, then what is the value of a3 + b3?
    (a) 34
    (b) 36
    (c) 124
    (d) 126
    **Answer: (c)**

59. The sum of a number and 4 times its reciprocal is 5. What is the number?
    (a) 4
    (b) 5
    (c) 6
    (d) 7
    **Answer: (a)**

60. The 3rd and 8th term of an arithmetic progression are -13 and 2 respectively. What is the 14th term?
    (a) 23
    (b) 17
    (c) 20
    (d) 26
    **Answer: (c)**

61. What is the reflection of the point (4 , -3) in the li y = 1?
    (a) (4, -5)
    (b) (4, 5)
    (c) (-4, -5)
    (d) (-4, 5)
    **Answer: (b)**

62. In what ratio does the point T(x, 0) divide the segment joining the points S(5, 1) and U(-1, -2)?
    (a) 2 : 1
    (b) 1 : 2
    (c) 3 : 1
    (d) 2 : 3
    **Answer: (b)**

63. At what point does the line 3x + 2y = 12 cuts the Y-axis?
    (a) (0, 6)
    (b) (0, -6)
    (c) (6, 0)
    (d) (-6, 0)
    **Answer: (a)**

64. The areas of two similar triangles ΔABC and ΔPQR are 121 sq cms and 64 sq cms respectively. If PQ = 12 cm, what is the length (in cm) of AB?

(a) 7.25
(b) 6.25
(c) 16.5
(d) 5.25

**Answer: (c)**

65. What is the value of Tan 60o + Cosec 60o?

(a) 5/3
(b) 2/√3
(c) 5/√3
(d) 2/3

**Answer: (c)**

66. Δ XYZ is right angled at Y. If m∠Z = 60°, then what is the value of (1/√2) Sec X?

(a) 2/√3
(b) 1/√6
(c) 1/√3
(d) 2/√6

**Answer: (d)**

67. If Cosec θ = 17/8, then what is the value of Cos θ

(a) 15/8
(b) 15/17
(c) 8/15
(d) 17/15

**Answer: (b)**

68. Which country is the third biggest in terms of Gross Domestic Product (GDP)?

(a) A
(b) C
(c) E
(d) F

**Answer: (b)**

69. By what amount (in billion USD) is the Gross Domestic Product (GDP) of Country A lesser than that of Country F?

(a) 20
(b) 50
(c) 25
(d) 40

**Answer: (d)**

70. What is the ratio of Gross Domestic Product (GDP) of Country E to Total of GDPs of countries A, C and F taken together?

(a) 3 : 5

(b) 5 : 3

(c) 9 : 5

(d) 5 : 9

**Answer: (a)**

71. If the combined GDP of the six countries has grown by 50% in the last decade, then what was their combined annual Gross Domestic Product (in billion USD) before 10 years?

(a) 540

(b) 180

(c) 240

(d) 200

**Answer: (c)**

72. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'. Water was dripping (1)/ of the trees, and (2)/ the grass was wet. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

**Answer: (b)**

73. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'. Pravin sat up on the (1)/ sofa, with his legs (2)/ tucked down him. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

**Answer: (c)**

74. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option. At night, the hungry orphan would sneak into the kitchen and _____ tiny amounts of food.

(a) prefer

(b) lifter

(c) differ

(d) pilfer

**Answer: (d)**

75. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option. As the only _____ person in the wacky family, the sensible girl felt like the odd woman out.

(a) insane

(b) vain

(c) sane

(d) main

**Answer: (c)**

## English Comprehension

76. In the following question, out of the four alternatives, select the word similar in meaning to the word given. Piquancy

(a) Bland

(b) Flavouring

(c) Insipid

(d) Tedious

**Answer: (b)**

77. In the following question, out of the four alternatives, select the word similar in meaning to the word given. To Confront

(a) To Avoid

(b) To Dodge

(c) To Yield

(d) To Accost

**Answer: (d)**

78. In the following question, out of the four alternatives, select the word opposite in meaning to the word given. Savant

(a) Amateur

(b) Academic

(c) Pundit

(d) Egghead

**Answer: (a)**

79. In the following question, out of the four alternatives, select the word opposite in meaning to the word given. To Indict

(a) To Arraign

(b) To Censure

(c) To Exonerate

(d) To Impeach

**Answer: (c)**

80. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. To Have bitten off more than you can chew

(a) To eat voraciously and then fall sick

(b) To behave disrespectfully towards elders and then repent the act

(c) To have tried to do something which is too difficult

(d) To have missed a golden opportunity and after that willing to put twice the effort to recover the loss

**Answer: (c)**

81. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Out of print

(a) Not able to print due to being short on paper

(b) A book no longer available from the publisher

(c) Intentionally not mention some items in the article or book

(d) All publishers refuse to publish your book

**Answer: (b)**

82. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". I'm (having to) too much fun.

(a) having

(b) had

(c) has

(d) no improvement

**Answer: (a)**

83. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". What would the cavalry (doing) out here?

(a) be doing

(b) be done

(c) done

(d) no improvement

**Answer: (a)**

84. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. In exactly the same words as were used originally

(a) Verbatim

(b) Offbeat

(c) Divergent

(d) Contrary

**Answer: (a)**

85. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. A person inclined to question or doubt accepted opinions

(a) Adherent

(b) Sceptic

(c) Zealot

(d) Disciple

**Answer: (b)**

86. In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

(a) Ditheering

(b) Dethering

(c) Dithering

(d) Detheering

**Answer: (c)**

87. In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

(a) Throtled

(b) Throttlede

(c) Throtlede

(d) Throttled

**Answer: (d)**

88. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. Children are sensitive X-to what happens around them and are Y-enthusiastic about working on Z-plays that reflect their lives

(a) ZYX

(b) XYZ

(c) ZXY

(d) YZX

**Answer: (b)**

89. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. But this does not mean X-phenomena to the body Y-is a meaningless expression Z-that the reference of mental

(a) YZX

(b) ZXY

(c) YXZ

(d) XZY

**Answer: (b)**

90. In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice. The travel agent is making all the reservations.

(a) All the reservations is made by the travel agent.

(b) All the reserving will be made by the travel agent.

(c) All the reservations are being made by the travel agent.

(d) All the reserving is made by the travel agent.

**Answer: (c)**

91. In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech. He said to the dentist, "I have a toothache."

(a) He told the dentist that I have a toothache.

(b) He told the dentist that he had gotten a toothache.

(c) He told the dentist that he had a toothache.

(d) He told the dentist that I have a gotten toothache.

**Answer: (c)**

**Passage — for questions 92–96**

> In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives. The Trikonasana, or triangle pose, stimulates the function of the entire body and _____ a lateral (side) stretch to the spine. It helps reduce blood pressure, stress, and anxiety. Practise the asana every day and you'll _____ strength in the ankles, thighs, knees, hips, calves and hamstrings. All standing poses _____the cardiovascular system, so the more you do it, the _____ your stamina will become. The aim is never to overdo it, but to engage regularly, _____ that you get stronger and more stable over time.

92. function of the entire body and _____ a lateral (side) stretch

(a) given

(b) gave

(c) to give

(d) gives

**Answer: (d)**

93. you'll _____ strength in the ankles, thighs, knees, hips

(a) gaining

(b) gain

(c) gained

(d) to gain

**Answer: (b)**

94. All standing poses _____the cardiovascular system
    (a) built
    (b) build
    (c) building
    (d) to build

    **Answer: (b)**

95. so the more you do it, the _____ your stamina.
    (a) best
    (b) better
    (c) good
    (d) too good

    **Answer: (b)**

96. to engage regularly, _____ that you get stronger and more stable
    (a) if
    (b) of
    (c) so
    (d) to

    **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 | **(a)** | 2 | **(c)** | 3 | **(b)** | 4 | **(b)** | 5 | **(c)** | 6 | **(c)** | 7 | **(c)** | 8 | **(d)** |
| 9 | **(b)** | 10 | **(c)** | 11 | **(d)** | 13 | **(b)** | 14 | **(a)** | 22 | **(d)** | 23 | **(c)** | 24 | **(a)** |
| 25 | **(a)** | | | | | | | | | | | | | | |

## General Awareness

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

## Quantitative Aptitude

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | **(b)** | 52 | **(d)** | 53 | **(b)** | 54 | **(a)** | 55 | **(b)** | 56 | **(b)** | 57 | **(b)** | 58 | **(c)** |
| 59 | **(a)** | 60 | **(c)** | 61 | **(b)** | 62 | **(b)** | 63 | **(a)** | 64 | **(c)** | 65 | **(c)** | 66 | **(d)** |
| 67 | **(b)** | 68 | **(b)** | 69 | **(d)** | 70 | **(a)** | 71 | **(c)** | 72 | **(b)** | 73 | **(c)** | 74 | **(d)** |
| 75 | **(c)** | | | | | | | | | | | | | | |

## English Comprehension

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | **(b)** | 77 | **(d)** | 78 | **(a)** | 79 | **(c)** | [illegible] | **(c)** | 81 | **(b)** | 82 | **(a)** | 83 | **(a)** |
| 84 | **(a)** | 85 | **(b)** | 86 | **(c)** | 87 | [illegible] | 88 | **(b)** | 89 | **(b)** | 90 | **(c)** | 91 | **(c)** |
| 92 | **(d)** | 93 | **(b)** | 94 | **(b)** | 95 | **(b)** | 96 | **(c)** | | | | | | |