PREVIOUS YEAR PAPER

# SSC CGL 2016 Tier I — 6 September 2016, Shift 3

SSC CGL · 6 September 2016 · 4:15 PM - 5:30 PM

81 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: 19 (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 6 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-1-6-sep-shift-3/

## General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Preamble : Constitution :: ? : ?
   (a) Word : Dictionary
   (b) Contents : Magazine
   (c) Explanation : Poetry
   (d) Preface : Book
   **Answer: (d)**

2. Select the related word/letters/numbers from the given alternatives: EFG : VUT :: KLM : ?
   (a) KJH
   (b) PON
   (c) ZXY
   (d) FDC
   **Answer: (b)**

3. Select the related word/letters/numbers from the given alternatives: 85 : 42 :: 139 : ?
   (a) 68
   (b) 69
   (c) 70
   (d) 67
   **Answer: (b)**

4. For the following questions Find the odd word/letters/number from the given alternatives.
   (a) Geometry
   (b) Trigonometry
   (c) Algebra
   (d) Mathematics
   **Answer: (d)**

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

(a) BDGK

(b) JLOS

(c) NPSW

(d) MORU

**Answer: (d)**

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

(a) 64

(b) 125

(c) 225

(d) 216

**Answer: (c)**

7. If the given words are arranged according to English dictionary, which word will be in third place?

(a) KNOW

(b) KNACK

(c) KNIT

(d) KNOB

**Answer: (d)**

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
ELFA, GLHA, ILJA, ? , MLNA

(a) OLPA

(b) KLMA

(c) LLMA

(d) KLLA

**Answer: (d)**

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
5, 11, 17, 25, 33, 43, ?

(a) 49

(b) 51

(c) 52

(d) 53

**Answer: (d)**

10. Pointing towards a photo, Rakesh said, "She is the daughter of the only son of my grandfather." How is the girl related to Rakesh?

(a) Sister

(b) Daughter

(c) Grand Daughter

(d) Cousin

**Answer: (a)**

11. A is mother of B , C is son of A , D is brother of E, E is daughter of B. Who is the grandmother of E?

(a) A

(b) B

(c) C

(d) D

**Answer: (a)**

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

(a) COURSE

(b) GRACE

(c) SECURE

(d) ARGUE

**Answer: (c)**

13. If THEN is written as RLBS , then how m CAS e written in that code ?

(a) AEPJ

(b) APEP

(c) EPAP

(d) PAEJ

**Answer: (a)**

14. If ' * ' means subtraction ; ' - ' means division , ' □ ' means addition and ' % ' means multiplication, then find the value of: 13 □ 3 * 6 % 8 - 4 □ 14 = ?

(a) 18

(b) 14

(c) 12

(d) 8

**Answer: (a)**

15. Some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis. If 3*2*8*4 = 632 , 2*4*4*4 = 816 then 3*3*5*1 = ?

(a) 95

(b) 45

(c) 315

(d) 184

**Answer: (a)**

16. Find the missing numbers from the given alternatives

(a) 120

(b) 360

(c) 100

(d) 240

**Answer: (d)**

17. Rema walked 10kms south and turned right and walked 5kms. Then again she turned right and walked 10kms. Then she turned left and walked 10kms. How many kms will rema have to walk to reach the starting point?

(a) 25 km

(b) 20 km

(c) 5 km

(d) 15 km

**Answer: (d)**

18. One statement is given followed by two conclusions/assumptions, 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 are to decide which of the given conclusions/assumptions can definitely be drawn from the given statement. Indicate your answer. Statements: All Hindus are God fearing. No Japanese is a Hindu Conclusions: I. The Japanese are not God fearing. II. All God fearing are Hindus.

(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: (d)**

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., O can be represented by 03,14, etc., and 'K' can be represented by 56, 65, etc. Similarly you have to identify the set for the word 'EASE'

(a) 55 , 85 , 44 , 42

(b) 77 , 85 , 88 , 44

(c) 77 , 66 , 31 , 44

(d) 00 , 98 , 23 , 98

**Answer: (b)**

## General Awareness

26. The rate at which RBI gives short term loan to commercial banks is called
    (a) Repo rate
    (b) Reverse Repo rate
    (c) Bank rate
    (d) Cash Reserve rate
    **Answer: (a)**

27. The nationalisation of major commercial banks took place in
    (a) 1947
    (b) 1956
    (c) 1969
    (d) 1980
    **Answer: (c)**

28. Lok Sabha Secretariat comes under the direct control of
    (a) Ministry of Home Affairs
    (b) Ministry of Parliamentary Affairs
    (c) Speaker of Lok Sabha
    (d) President
    **Answer: (c)**

29. Which of the following Act introduced separate ctorates (communal representation) for Muslims?
    (a) 1892 Act
    (b) Act of 1909
    (c) Reforms of 1919
    (d) Government of India Act of 1935
    **Answer: (b)**

30. Where is the Brihadeshwar temple, built during the Chola period, located?
    (a) Mysore
    (b) Mahabalipuram
    (c) Tanjavur
    (d) Kanyakumari
    **Answer: (c)**

31. The first protocol to ban the emissions of choloroflurocarbons in the atmosphere was made in
    (a) Montreal
    (b) Osaka
    (c) Geneva
    (d) Florida
    **Answer: (a)**

32. Blood group was discovered by
    (a) Alexander Fleming
    (b) William Harvey
    (c) Landsteiner
    (d) Paulov

    **Answer: (c)**

33. Magnetic Meridian is a
    (a) Line parallel to the equator of the Earth
    (b) Latitude
    (c) Line joining the geographic north and geographic south of Earth
    (d) Plane passing through the magnetic north and magnetic south of Earth

    **Answer: (d)**

34. Programs that duplicate the functionality of one system on another system is known as
    (a) Emulators
    (b) Simulators
    (c) Evaluators
    (d) PCB

    **Answer: (a)**

35. The manufacturing of iron from iron-ore involves process of
    (a) Oxidation
    (b) Reduction
    (c) Electrolysis
    (d) Fractional distillation

    **Answer: (b)**

36. In a rainforest, the vegetation that grows under the shade of a canopy is known as
    (a) Crown
    (b) Canopy
    (c) Understorey
    (d) Forest floor

    **Answer: (c)**

37. The term "roll-in" is used in
    (a) Cricket
    (b) Tennis
    (c) Hockey
    (d) Golf

    **Answer: (c)**

38. Which of the following is the busiest International sea port in India?
    (a) Mumbai
    (b) Kolkata
    (c) Kochi
    (d) Tuticorin

    **Answer: (a)**

39. The word "Secular" was added to the Preamble of the Constitution of India by which Constitutional Amendment?
    (a) 41st Constitutional Amendment
    (b) 42nd Constitutional Amendment
    (c) 43rd Constitutional Amendment
    (d) 44th Constitutional Amendment

    **Answer: (b)**

40. Who coined the slogan "Inquilab Zindabad"?
    (a) Subash Chandra Bose
    (b) Balagangadhar Tilak
    (c) Bhagat Singh
    (d) Sukhdev

    **Answer: (c)**

41. "Great Barrier Reef", the world's largest Coral reef, located in
    (a) Caribbean Islands
    (b) Australia
    (c) Philippines
    (d) Indonesia

    **Answer: (b)**

42. Decoding and interpretation of visual information in brain is associated with
    (a) Frontal lobe
    (b) Occipital lobe
    (c) Temporal lobe
    (d) Parietal lobe

    **Answer: (c)**

43. Flemings "Left hand Rule" is associated with the effect of
    (a) Electric field on current
    (b) Magnetic field on magnet
    (c) Electric field on magnet
    (d) Magnetic Field on current

    **Answer: (d)**

44. An emulsion is a colloidal solution of
    (a) Liquid in liquid
    (b) Solid in liquid
    (c) Gas in solid
    (d) Solid in Solid

    **Answer: (a)**

45. _____ is a byproduct of sewage treatment and can be decomposed to produce bio-gas
    (a) Sewage
    (b) Sludge
    (c) Sewer
    (d) Scum

    **Answer: (b)**

46. The BRICS New Development Bank (NDB) is headquartered at
    (a) Shanghai
    (b) New Delhi
    (c) Brasilia
    (d) Moscow

    **Answer: (c)**

47. Which one of the following cities of Iraq is located Tigris river?
    (a) Baghdad
    (b) Mousul
    (c) Kirkuk
    (d) Basra

    **Answer: (a)**

48. Human Development Index is prepared by
    (a) UNDP
    (b) WTO
    (c) IMF
    (d) WHO

    **Answer: (a)**

49. Uber Cup is associated with
    (a) Football
    (b) Handball
    (c) Badminton
    (d) Squash

    **Answer: (c)**

50. The food in Onion is stored in the form of _____

(a) Cellulose

(b) Protein

(c) Starch

(d) Sugar

**Answer: (a)**

## Quantitative Aptitude

51. If 4/5th of a number exceeds its 3/4th by 8. then the number is :

(a) 130

(b) 120

(c) 160

(d) 150

**Answer: (c)**

52. The rate of discount being given on a shirt,where selling price is Rs. 546 after deducting a discount of Rs. 109 on its marked price, is

(a) 14%

(b) 18%

(c) 15%

(d) 16%

**Answer: (d)**

53. If the ratio of two numbers is 1:5 and the product is 320, then the difference between the squares of these two numbers is

(a) 1024

(b) 1256

(c) 1536

(d) 1435

**Answer: (c)**

55. A man bought 30 defective machines for Rs. 1000. He repaired and sold them @ Rs. 300 per machine. He got profit of Rs. 150 per machine. How much did he spend on repairs ?(in Rupees)

(a) 5500

(b) 4500

(c) 3500

(d) 2500

**Answer: (c)**

56. x is 5 times longer than y. The percentage by which y in less than x is :

(a) 50%

(b) 40%

(c) 80%

(d) 70%

**Answer: (c)**

57. A motor cycle gives an average of 45 km per litre. If the cost of petrol is Rs. 20/litre. The amount required to complete a journey of 540 km is, (in Rupees)

(a) 120

(b) 360

(c) 200

(d) 240

**Answer: (d)**

58. A sum of money amounts to Rs. 6655 at the rate of 10% compounded annuallly for 3 years. The sum of money is

(a) Rs.5000

(b) Rs.5500

(c) Rs.6000

(d) Rs.6100

**Answer: (a)**

62. If 'O' is the incentre of the Δ PQR. If ∠POR = 115 en value of ∠PQR is

(a) 40°

(b) 65°

(c) 50°

(d) 25°

**Answer: (c)**

63. The inradius of triangle is 4 cm and its area is 34 sq. cm. the perimeter of the traingle is

(a) 8.5 cm

(b) 17 cm

(c) 34 cm

(d) 20 cm

**Answer: (b)**

65. A certain number of men can do a piece of work in 60 days. If there were 6 men more, the work can be finished 20 days earlier. The number of men working is

(a) 6

(b) 12

(c) 18

(d) 24

**Answer: (b)**

67. The area of a triangle ABC is 10.8 cm2. If CP = PB and 2AQ = QB then the area of the triangle APQ is

(a) 3.6 cm2

(b) 0.9 cm2

(c) 2.7 cm2

(d) 1.8 cm2

**Answer: (d)**

69. From the top of a building 60 metre high, the angle of depression of the top and bottom of a tower are observed to be 30° and 60°. The height of the tower in metre is

(a) 40

(b) 45

(c) 50

(d) 55

**Answer: (a)**

70. If a circle of radius 12 cm is divided into two equal parts by one concentric circle,then radius of inner circle is

(a) 6 cm

(b) 4 cm

(c) 6√2cm

(d) 4√2 cm

**Answer: (c)**

71. If cosx = siny and cot ( x-40°) = tan (50 th .he value of x and y are ;

(a) x = 70°, y = 20°

(b) x = 75°, y = 15°

(c) x = 85°, y = 5°

(d) x = 80°, y = 10°

**Answer: (c)**

72. The bar graph shows the number of males and females(in crores) in India during 1951-1991. Read the graph and answer the following questions
What was the approximate percentage of female population in India during 1991 ?

(a) 48.23

(b) 48.02

(c) 48.03

(d) 48.33

**Answer: (a)**

73. The bar graph shows the number of males and females(in crores) in India during 1951-1991. Read the graph and answer the following questions
What was the approximate number of males in India in 1971 per thousands females

(a) 913

(b) 1075

(c) 1077

(d) 1175

**Answer: (c)**

74. The bar graph shows the number of males and females(in crores) in India during 1951-1991. Read the graph and answer the following questions
What is the ratio of the numbers of females in India in 1961 per thousand males to the number of males in India in 1991 per thousand females ?

(a) 943:1077

(b) 1077:943

(c) 1073:913

(d) 913:1073

**Answer: (d)**

75. The bar graph shows the number of males and females(in crores) in India during 1951-1991. Read the graph and answer the following questions
Assuming that the rate of increase in the total population in India during 1991-2001 remains the same as that was during the period 1981-1991, estimate the total population in India in 2001.

(a) 105.62 crores

(b) 106.25 crores

(c) 106.52 crores

(d) 105.26 crores

**Answer: (b)**

## 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. NEGOTIATION

(a) IN-BETWEEN

(b) CARELESSNESS

(c) BARGAINING

(d) SLACKNESS

**Answer: (c)**

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. IMPROMPTU

(a) PUNCTUAL

(b) PROMPT

(c) PREPARED

(d) PROFOUND

**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) Bureaucracy

(b) Beureaucracy

(c) Beureaucracie

(d) Bureaucracie

**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 told his friend (A) / that he could not do that work (B) / because it is not to his taste (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 tragedy of Julius Caesar (A) / was written by William Shakespeare (B) / about 1599 (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. The writer is (A) / evidently enamoured at (B) / the subject (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. Nothing is impossible _____ him.

(a) in

(b) about

(c) for

(d) on

**Answer: (c)**

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. My relations _____ him are not friendly.

(a) between

(b) with

(c) to

(d) for

**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. George _____ to this country a year ago.

(a) was coming

(b) came

(c) is coming

(d) comes

**Answer: (b)**

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. Blow one's trumpet

(a) To praise another

(b) To praise a leader

(c) To praise oneself

(d) To praise a community

**Answer: (c)**

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. Stick to his guns

(a) Stand by his truth

(b) Maintain his own opinion

(c) Maintain his weapons

(d) Maintain his anger

**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. At sea

(a) Journey

(b) At a loss

(c) Surprise

(d) Sad

**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. One who is eighty years old

(a) Septagenarian

(b) Sextagenarian

(c) Nonagenarian

(d) Octogenarian

**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 shady fertile place in the desert

(a) Oasis

(b) Motel

(c) Orchard

(d) Garden

**Answer: (a)**

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. A place where bees are kept

(a) Apiary

(b) Nursery

(c) Aviary

(d) Kennel

**Answer: (a)**

**Passage — for questions 96–100**

> Stockholm is spread out on an archipelago of [illegible]nds, where Lake Malaren meets the Baltic Sea. More airy than Venice, with wide-open spaces, it is one-third water. Its other two-thirds combine arched bridges, jet fountains, and palatial buildings trimmed with gold. For Stockholmers, fans of great outdoors, this is an amiable and graceful home and a healthy environment in which to live. Minutes from the city centre are parks and woodland for recreation, and clear water for swimming and fishing. In winter, everyone takes to ice-skating, on artificial rinks in the shadows of grand palaces, or on the frozen waters of the channel. Stockholm is also a city at the leading edge of fashion, design and advanced technology. Fashion houses and IT companies use the city as a test market for their innovations, especially as Stockholmers are followers of technology. Stockholm is the capital as well as the largest city of Sweden. It is the site of the government and Parliament of the country.

96. An archipelago is a collection of _____ .

(a) cities

(b) islands

(c) lakes

(d) coral-reefs

**Answer: (b)**

98. What is the opposite of the word 'amiable'?
    (a) Enervating
    (b) Refreshing
    (c) Invigorating
    (d) Unpleasant

    **Answer: (d)**

99. Why is Stockholm used as a test market for innovation by IT companies and Fashion houses?
    (a) The Stockholmers are followers of technology.
    (b) Stockholm is the largest city of Sweden.
    (c) The citizens are fashionable.
    (d) The people like the outdoors.

    **Answer: (a)**

100. Stockholm is important to the country because _____ .
    (a) it has palatial buildings.
    (b) there are parks and woodlands for recreation.
    (c) there are artificial skating rinks.
    (d) it is the largest city and capital of Sweden.

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

## General Awareness

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

## Quantitative Aptitude

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | **(c)** | 52 | **(d)** | 53 | **(c)** | 55 | **(c)** | 56 | **(c)** | 57 | **(d)** | 58 | **(a)** | 62 | **(c)** |
| 63 | **(b)** | 65 | **(b)** | 67 | **(d)** | 69 | **(a)** | 70 | **(c)** | 71 | **(c)** | 72 | **(a)** | 73 | **(c)** |
| 74 | **(d)** | 75 | **(b)** | | | | | | | | | | | | |

## English Comprehension

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