PREVIOUS YEAR PAPER

# SSC CGL 2016 Tier I — 10 September 2016, Shift 1

SSC CGL · 10 September 2016 · 10:00 AM - 11:15 AM

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 10 September 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-1-10-sep-shift-1/

## General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Cytology : Cells :: ? : Birds
   (a) Odontology
   (b) Mycology
   (c) Etymology
   (d) Ornithology
   **Answer: (d)**

2. Select the related word/letters/numbers from the given alternatives: RIGT : WDBY :: FUSH : ?
   (a) PKJQ
   (b) BYWD
   (c) DXWB
   (d) QKJR
   **Answer: (b)**

3. Select the related word/letters/numbers from the given alternatives: 42 : 56 :: 110 : ?
   (a) 18
   (b) 132
   (c) 136
   (d) 140
   **Answer: (b)**

4. For the following questions Find the odd word/letters/number from the given alternatives.
   (a) Rupee
   (b) Pound
   (c) Yen
   (d) Currency
   **Answer: (d)**

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

(a) DAEH

(b) KIMP

(c) HEIL

(d) FCGJ

**Answer: (b)**

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

(a) 43-6

(b) 28-4

(c) 50-7

(d) 36-5

**Answer: (b)**

7. Arrange the following words as per order in the dictionary
1. Direction 2. Directed 3. Director 4.Directing

(a) 1, 4, 3, 2

(b) 2, 4, 1, 3

(c) 4, 2, 3, 1

(d) 4, 1, 2, 3

**Answer: (b)**

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
IGT, JHS, KIR, LJQ, MKP, ?

(a) LOP

(b) NOP

(c) NLO

(d) LNO

**Answer: (c)**

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
6, 10, 18, 34, ?, 130

(a) 78

(b) 52

(c) 66

(d) 94

**Answer: (c)**

10. Introducing Reeta, Monica said, "She is the only daughter of my father's only daughter." How is Monica related to Reeta?

(a) Aunt

(b) Niece

(c) Cousin

(d) Mother

**Answer: (d)**

11. In a row of students, if John , who is 16th from the left, and Johnson, who is 8th from the right, interchange their positions, John becomes 33rd from left. How many students are there in a row?

(a) 38

(b) 39

(c) 40

(d) 41

**Answer: (c)**

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

(a) MISSION

(b) DISMISS

(c) MASONS

(d) NOMADS

**Answer: (b)**

13. If in a certain language TEACHER is coded as CHAZEBO, then how is STUDENT coded in the same language?

(a) PQRBAQK

(b) PQRABKQ

(c) PQRKBAQ

(d) PRKQBAQ

**Answer: (b)**

14. If 'x' means addition, '-' means division, '÷' means subtraction and '+' means multiplication, then which of the equations is correct?

(a) 16 x 5 ÷ 10 + 4 - 3 = 19

(b) 16 + 5 ÷ 10 x 4 - 3 = 9

(c) 16 + 5 - 10 x 4 ÷ 3 = 9

(d) 16 - 5 x 10 ÷ 4 + 3 = 12

**Answer: (c)**

15. If 4 x 5 x 2 = 524, 3 x 7 x 2 = 723 and 6 x 8 x 7 = 876 then 9 x 4 x 5 = ?

(a) 495

(b) 459

(c) 549

(d) 954

**Answer: (b)**

16. Select the missing numbers from the given responses

(a) 36

(b) 46

(c) 40

(d) 26

**Answer: (a)**

17. Johnson left for his office in his car. He drove 15km towards North and then 10km towards West. He then turned to the South and covered 5km. Further he turned to East & moved 8km. Finally he turned right and moved 10km. How far & in which direction is he from his starting point?

(a) 2 km, West

(b) 5 km, East

(c) 3 km, North

(d) 3 km, South

**Answer: (a)**

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. Statements: 1. All stenographers are lazy. 2. Some men are stenographers. Concl[illegible]. All lazy people are men. II. Some men are lazy.

(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: (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 from these matrices can be represented and e.g., 'P' can be represented by 02, 13, etc., and 'A' can be represented by 57, 68, etc. Similarly you have to identify the set for the word 'GUNS'
first by its row
next by its column,

(a) 88, 23, 59, 33

(b) 66, 40, 67, 11

(c) 55, 34, 77, 44

(d) 99, 12, 86, 22

**Answer: (d)**

## General Awareness

26. Which one of the following countries is not a member of the "BRICS" group?
    (a) Brazil
    (b) Russia
    (c) China
    (d) Indonesia
    **Answer: (d)**

27. 'Do or Die' is associated with which of the movements in India's freedom struggle
    (a) Dandi March
    (b) Non-Cooperation Movement
    (c) Khilafat Movement
    (d) Quit India Movement
    **Answer: (d)**

28. 'Parsec' is the unit measurement of
    (a) Density of stars
    (b) Astronomical distance
    (c) Brightness of heavenly bodies
    (d) Orbital velocity of giant stars
    **Answer: (b)**

29. A collective term used by the Jains for their sac books is
    (a) Prabandhas
    (b) Angas
    (c) Nibandhas
    (d) Charits
    **Answer: (b)**

30. Which one of the following is not an instrument of Fiscal policy?
    (a) Open Market Operations
    (b) Taxation
    (c) Public borrowing
    (d) Public expenditure
    **Answer: (a)**

31. At room temperature, the metal that remains liquid is:
    (a) Mercury
    (b) Platinum
    (c) Lead
    (d) Zinc
    **Answer: (a)**

32. Which is known as carbolic acid?
    (a) Phenol
    (b) Ethanol
    (c) Acetic acid
    (d) Oxalic acid

    **Answer: (a)**

33. On which river is the Tehri dam built?
    (a) Alakananda
    (b) Bhagirathi
    (c) Ganga
    (d) Hooghly

    **Answer: (b)**

34. With which country, India has the longest international boundary?
    (a) Nepal
    (b) Pakistan
    (c) China
    (d) Bangladesh

    **Answer: (d)**

35. Which State in India has the largest coastline?
    (a) Tamil Nadu
    (b) Andhra Pradesh
    (c) Gujrat
    (d) West Bengal

    **Answer: (c)**

36. Jog falls in Karnataka is located over which river?
    (a) Kaveri
    (b) Godavari
    (c) Saraswati
    (d) Krishna

    **Answer: (c)**

37. In which of the following market forms, a firm does not exercise control over price?
    (a) Monopoly
    (b) Perfect competition
    (c) Oligopoly
    (d) Monopolistic competition

    **Answer: (b)**

38. Which one of the following areas of India is covered by tropical evergreen forest?
    (a) Semi-arid areas of Gujarat
    (b) Eastern Ghats
    (c) Western Ghats
    (d) Madhya Pradesh

    **Answer: (c)**

39. Which one of the following substances is normally found in urine?
    (a) Blood proteins
    (b) creatinine
    (c) red blood cells
    (d) white blood cells

    **Answer: (b)**

40. The thymus gland produces a hormone called
    (a) thyroxine
    (b) thymosin
    (c) thyronine
    (d) calcitonin

    **Answer: (b)**

41. Blood group AB has
    (a) No antigen
    (b) No antibody
    (c) Neither antigen nor antibody
    (d) Both antigen and antibody

    **Answer: (b)**

42. Which Vitamins are those, if taken in excess can be dangerous as they are stored in the body?
    (a) B Complex
    (b) E and C
    (c) B and C
    (d) A and D

    **Answer: (d)**

43. Atomic explosion is triggered by
    (a) thermo nuclear reaction
    (b) chemical reaction
    (c) controlled chain reaction
    (d) uncontrolled chain reaction

    **Answer: (d)**

44. The phenomenon of change in direction of light when it passes from one medium to another is called

(a) Propagation

(b) Reflection

(c) Refraction

(d) Dispersion

**Answer: (c)**

45. Who has the right to decide whether a Bill is a money bill or not?

(a) Speaker of Lok Sabha

(b) Prime Minister

(c) President

(d) Finance Minister

**Answer: (a)**

46. What is the name of portal launched by RBI recently to check illegal money collection?

(a) Sahyog

(b) Sahayata

(c) Sampark

(d) Sachet

**Answer: (d)**

47. Which of the following is not an operating system

(a) Android

(b) Vista

(c) iOS

(d) Opera

**Answer: (d)**

48. Which pair of the following Indians has been selected for grant of Raman Magasaysay Award 2016

(a) Bezwada Wilson and T.M. Krishna

(b) T.M. Krishna and Arvind Adiga

(c) Arvind Adiga and Bezwada Wilson

(d) T.M. Krishna and Satish Gujral

**Answer: (a)**

49. The discretionary powers of a Governor is limited in

(a) Appointment of Chief Minister

(b) Dismissal of the Ministry

(c) Dissolution of the Legislative Assembly

(d) Assent to Bills

**Answer: (d)**

50. Who is the first law officer of the country?

(a) Chief Justice of India

(b) Attorney General

(c) Law Minister

(d) Solicitor General

**Answer: (b)**

## Quantitative Aptitude

51. A is twice as good as B and together they finish a piece of work in 16 days. The number of days taken by A alone to finish the work is

(a) 20 days

(b) 21 days

(c) 22 days

(d) 24 days

**Answer: (d)**

52. The successive discount of 15%, 20% and 25% on an article is equivalent to the single discount of

(a) 60%

(b) 47%

(c) 49%

(d) 40%

**Answer: (c)**

53. The numbers x, y, z are respectively propo[illegible] to 2, 3, 5 and the sum of x, y and z is 80. If the number z is given by the equation z = ax-8, then a is

(a) 6

(b) 3/2

(c) 3

(d) 5/2

**Answer: (a)**

54. If the ratio of cost price and selling price be 10:11, then the profit percentage is

(a) 1%

(b) 10%

(c) 5%

(d) 8%

**Answer: (b)**

56. A man covers a total distance of 100 km on bicycle. For the first 2 hours, the speed was 20 km/hr and for the rest of the journey, it came down to 10 km/hr. The average speed will be

(a) km/hr

(b) 13 km/hr

(c) 15 1/8 km/hr

(d) 20 Km/hr

**Answer: (a)**

57. Alipta got some amount of money from her father. In how many years will the ratio of the money and the interest obtained from it be 10:3 at 6% simple interest per annum?

(a) 7 years

(b) 3 years

(c) 5 years

(d) 4 years

**Answer: (c)**

58. If (x - 2) (x - p) = x2 - ax + 6, then the value of (a - p) is

(a) 0

(b) 1

(c) 2

(d) 3

**Answer: (c)**

63. Which one of the following is the minimum value of the sum of two integers whose product is 24?

(a) 25

(b) 11

(c) 8

(d) 10

**Answer: (d)**

64. The average marks obtained by a class of 60 students is 65. The average marks of half of the students is found to be 85. The average marks of the remaining students is

(a) 35

(b) 45

(c) 55

(d) 65

**Answer: (b)**

67. Which of the set of three sides can't form a triangle?

(a) 5 cm, 6 cm, 7 cm

(b) 5 cm, 8 cm, 15 cm

(c) 8 cm, 15 cm, 18 cm

(d) 6 cm, 7 cm, 11 cm

**Answer: (b)**

70. A solid sphere of radius 9 cm is melted to form a sphere of radius 6 cm and a right circular cylinder of same radius. The height of the cylinder so formed is

(a) 19 cm

(b) 21 cm

(c) 23 cm

(d) 25 cm

**Answer: (a)**

71. An arc of 30° in one circle is double an arc in a second circle, the radius of which is three times the radius of the first. Then the angles subtended by the arc of the second circle at its centre is

(a) 3°

(b) 4°

(c) 5°

(d) 6°

**Answer: (c)**

72. Study the Bar diagram carefully and answer the questions. The Bar diagram shows the trends of foreign direct investment (FDI) into India from all over the World (in Rs. crores).
The sum of FDI of 1992 and 1993 is

(a) 15.58 cr

(b) 15.85 cr

(c) 15.22 cr

(d) 15.65 cr

**Answer: (b)**

73. Study the Bar diagram carefully and answ[illegible] questions. The Bar diagram shows the trends of foreign direct investment (FDI) into India from all over the World (in Rs. crores).
The year which exhibited the 2nd highest growth percentage in FDI in India over the period shown is

(a) 1993

(b) 1994

(c) 1997

(d) 1996

**Answer: (d)**

74. Study the Bar diagram carefully and answer the questions. The Bar diagram shows the trends of foreign direct investment (FDI) into India from all over the World (in Rs. crores).
The ratio of investment in 1997 to the average investment is

(a) 2:1

(b) 1:2

(c) 1:1

(d) 3:1

**Answer: (a)**

75. Study the Bar diagram carefully and answer the questions. The Bar diagram shows the trends of foreign direct investment (FDI) into India from all over the World (in Rs. crores).
The absolute difference in FDI to India between 1996 and 1997

(a) 7.29

(b) 7.13

(c) 7.16

(d) 7.22

**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. FORSWEAR

(a) SWEAR

(b) OATH

(c) ABUSE

(d) FORSAKE

**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. INCLEMENT

(a) RADICAL

(b) MILD

(c) HARSH

(d) TYRANNICAL

**Answer: (b)**

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) ANTICEPTIC

(b) ANTECEPTIC

(c) ANTICEPTIQUE

(d) ANTISEPTIC

**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. The doctor says that(A)/the patient will recover(B)/in few days(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. I do not think that(A)/I can cope up(B)/with this problem(C)/No Error(D)

(a) A

(b) B

(c) C

(d) D

**Answer: (b)**

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 mother(A)/yearns for(B)/her only 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. Since last year his condition has been_____

(a) deteriorate

(b) deteriorating

(c) severely deteriorated

(d) deterioratingly

**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. Most children remain_____school between the ages of seven and ten.

(a) in

(b) under

(c) at

(d) inside

**Answer: (c)**

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. The quake also_____ mudslides on the outskirts of the city.

(a) tempered

(b) tampered

(c) erupted

(d) triggered

**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. Wet behind the ears

(a) Skillful

(b) Young and rich with experience

(c) Young and without much experience

(d) Hearing impaired

**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. Under a cloud

(a) Sheltered from the sun

(b) Under suspicion

(c) Out in the open

(d) Get wet

**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. Get the sack

(a) Look for a sack

(b) Find a sack

(c) Get a call back

(d) Be dismissed

**Answer: (d)**

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 person's peculiar habit

(a) Trait

(b) Idiosyncracy

(c) Idiolect

(d) Talent

**Answer: (b)**

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. Speech delivered without preparation

(a) Rhetoric

(b) Oration

(c) Extempore

(d) Maiden speech

**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. One who will do any job for anyone for money

(a) Mercenary

(b) Recruit

(c) Hoodlum

(d) Merchant

**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. Dyslexia is a perceptual disorder often occurring in persons of normal, or even above average intelligence. The reader is unable to perceive correctly what is on a page. Letters and numbers often appear reversed: "b" seems to be "d","quite" is "quiet" and "from" is "form". The reader tends to leave out letters or words or insert words or letters that are not there. Vowel and consonant sounds may be confused. Many dyslexics are left-handed or able to write with either hand. They often confuse left and right. Learning to speak may also be delayed beyond infancy. The condition seems to be inherited. It may persist into adulthood. However, with early recognition and specialized approaches to teaching reading, most dyslexics can learn to read. Some researchers believe that latent dyslexia may be aggravated by the way reading is taught. The modern whole-word, or look-and-say, method seems to be more of a hindrance to learning for dyslexics than it is for ordinary pupils. The phonetic method of teaching students to learn letters and sound them out appears to achieve better reading results. The problem of words that cannot be sounded out - such as rough, laugh or through - is not solved by phonetics. These words must simply be memorized. However, for children with dyslexia the problem can be compounded by the failure of parents or teachers to recognize the condition. This can easily lead to emotional problems for dyslexic children, who cannot understand their failure to keep up with their classmates.

96. Dyslexia, often occurring in persons of normal, or even above average intelligence, is a _____

(a) Conceptual disorder

(b) Pathological disease

(c) Perceptive disorder

(d) Perceptual disorder

**Answer: (d)**

97. In Dyslexia, letters and figures often appear _____

(a) Inverted

(b) Blurred

(c) Reversed

(d) Clustered

**Answer: (c)**

98. People suffering from dyslexia are often _____
    (a) right handed
    (b) far sighted
    (c) ambidextrous
    (d) only left handed

    **Answer: (c)**

99. Dyslexia may _____
    (a) be noticed during infancy
    (b) last till childhood
    (c) persist into adulthood
    (d) end when one goes to school

    **Answer: (c)**

100. The problem of perception can be compounded by the failure of parents and teachers to
    (a) provide treatment
    (b) recognize the condition
    (c) correct the child at infancy
    (d) understand the child

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

## General Awareness

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

## Quantitative Aptitude

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | **(d)** | 52 | **(c)** | 53 | **(a)** | 54 | **(b)** | 56 | **(a)** | 57 | **(c)** | 58 | **(c)** | 63 | **(d)** |
| 64 | **(b)** | 67 | **(b)** | 70 | **(a)** | 71 | **(c)** | 72 | **(b)** | 73 | **(d)** | 74 | **(a)** | 75 | **(b)** |

## English Comprehension

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