PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 9 September 2016, Shift 2

SSC CGL · 9 September 2016 · 1:15 PM - 2:30 PM

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 9 September 2016, 1:15 PM - 2:30 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-1-9-sep-shift-2/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Length:Meter::Power:?
   (a) Calories
   (b) Degree
   (c) Watt
   (d) Kilogram
   Answer: (c)

2. Select the related word/letters/numbers from the given alternatives: ZXVT:YWUS::RPNL:?
   (a) XVTS
   (b) TSQP
   (c) SQPM
   (d) QOMK
   Answer: (d)

3. Select the related word/letters/numbers from the given alternatives: 42:20::64:?
   (a) 31
   (b) 32
   (c) 33
   (d) 34
   Answer: (a)

4. For the following questions Find the odd words/letter/number from the given alternatives:
   (a) A
   (b) U
   (c) T
   (d) O
   Answer: (c)

5. For the following questions Find the odd words/letter/number from the given alternatives:

(a) January

(b) April

(c) July

(d) May

Answer: (b)

6. For the following questions Find the odd words/letter/number from the given alternatives:

(a) 28-21

(b) 31-38

(c) 45-52

(d) 64-71

Answer: (a)

7. Arrange the following words as per order in the dictionary:
1. Zeal 2.Zebra 3.Zygote 4.Zinc 5.Zest

(a) 1,2,5,3,4

(b) 1,2,5,4,3

(c) 1,5,2,4,3

(d) 1,5,2,3,4

Answer: (b)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series: ALZ,CJV,EHR,GFN,?

(a) JDJ

(b) IEK

(c) IDJ

(d) JEK

Answer: (c)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series: 8,24,12,?,18,54

(a) 48

(b) 36

(c) 29

(d) 21

Answer: (b)

10. Chanda is the wife of Bharat. Mohan is the son of Chanda. Ashish is the brother of Bharat and father of Dhruv. How is Mohan related to Dhruv?

(a) Sister

(b) Cousin

(c) Brother

(d) Mother

Answer: (b)

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

(a) CONCERN

(b) CONTAINER

(c) CONCERT

(d) CENTRAL

Answer: (d)

13. If 'WZB' stands for 'DAY', how will you code 'MONDAY'?

(a) NLMWZB

(b) PLOWZB

(c) NMLWZB

(d) PQRWZB

Answer: (a)

14. If '+' means '/', '/' means '-','-' means 'x', 'x' means '+', then 24+8/2-6×6=?

(a) -10

(b) -3

(c) 12

(d) 21

Answer: (b)

15. In this question, some equations are solved on th asis of a certain system. On the same basis find out the correct answer from amongst the four a rnatives for the unsolved equation.
7×6×8=678 8×9×7=987 6×5×7=567 5×4× ?

(a) 456

(b) 564

(c) 645

(d) 654

Answer: (a)

16. Select the missing number from the given alternatives:

(a) 9

(b) 8

(c) 7

(d) 6

Answer: (b)

17. A man starts from a point, walks 5 km towards East, turns right and walks 3 km, turns right again and walks. What is the direction he is facing now?

(a) North

(b) South

(c) West

(d) South-west

Answer: (c)

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. Statement 1: All animals are four-footed. 2. Dog has two legs. Conclusion I:Dog is not an animal. II. Dog is an animal.

(a) If only I follows

(b) If only II follows

(c) If neither I nor II follows

(d) If both I and II follow

Answer: (a)

19. In the give cubes, which colour is opposite to purple?

(a) Violet

(b) Red

(c) Yellow

(d) Blue

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 and e.g., 'A' can be represented by 01, 13, etc., and 'S' can be represented by 55, 66, etc. Similarly you have to identify the set for the word 'BOTH'
first by its row
next by its column,

(a) 69,67,68,59

(b) 75,22,76,79

(c) 88,30,85,86

(d) 58,02,68,65

Answer: (b)

General Awareness

27. The novelist, poet and critic of which language has been conferred with Jnanpith Award for 2015?

(a) Bengali

(b) Telugu

(c) Odia

(d) Gujarati

Answer: (d)

28. The 'Cabinet Mission' of 1946 was led by

(a) Lord Linlithgow

(b) Lord Mountbatten

(c) Sir Pethic Lawrence

(d) Sir Mountford

Answer: (c)

29. Mount Abu is a hill station located in _____ ranges.
    (a) Vindhya
    (b) Satpuda
    (c) Aravalli
    (d) Sahyadri

    Answer: (c)

30. The only perennial river in Peninsular India is _____ .
    (a) Godavari
    (b) Kaveri
    (c) Krishna
    (d) Bhima

    Answer: (b)

31. Which one of the following forms the base of vegetable fibres?
    (a) Cellulose
    (b) Proteins
    (c) Fats
    (d) Oils

    Answer: (a)

32. A particle is thrown vertically upward. When it reaches the highest point, it has _____
    (a) a downward acceleration
    (b) an upward acceleration
    (c) a downward velocity
    (d) a horizontal velocity

    Answer: (a)

33. CPU Scheduler is also known as _____ .
    (a) Job Scheduler
    (b) Resource Scheduler
    (c) Short-term Scheduler
    (d) Process Scheduler

    Answer: (c)

34. During fermentation of sugar, the compound which is always formed is
    (a) Methyl Alcohol
    (b) Ethyl Alcohol
    (c) Acetic Acid
    (d) Ethylene

    Answer: (b)

35. Which type of democracy do we follow in India?
    (a) Direct
    (b) Presidential
    (c) Representative
    (d) Dictatorship

    Answer: (c)

36. Social activist Irom Chanu Sharmila, who has recently announced to end 16-year old hunger strike belongs to which State ?
    (a) Mizoram
    (b) Manipur
    (c) Uttar Pradesh
    (d) Maharashtra

    Answer: (b)

37. The quality or tone of a musical sound produced by a stringed instrument depends on
    (a) frequency of vibration
    (b) length of the strings in the instrument
    (c) Amplitude of vibration
    (d) waveform of the sound

    Answer: (d)

38. What did Gandhiji meant by 'Sarvodaya'?
    (a) Non-violence
    (b) Upliftment of untouchables or dalits
    (c) The birth of a new society based on ethical values
    (d) Satyagraha

    Answer: (c)

39. When does solar eclipse take place ?
    (a) When the sun is between the moon and earth
    (b) When the earth is between the moon and sun
    (c) When the moon is between the sun and earth
    (d) When the moon does not lie on the line joining the sun and earth

    Answer: (c)

40. Strait of Gibraltar connects which of the following?
    (a) Red Sea - Mediterranean Sea
    (b) Red Sea - Arabian Sea
    (c) Atlantic Ocean - Mediterranean Sea
    (d) Mediterranean Sea - Black Sea

    Answer: (c)

41. The largest solar power plant in India is located at
    (a) Nagercoil
    (b) Jaisalmer
    (c) Madhapur
    (d) Rann of Kutch

    Answer: (c)

42. Regional Rural Banks are sponsored by
    (a) Nationalised Commercial Bank
    (b) Reserve Bank of India
    (c) State Bank of India
    (d) Government of India

    Answer: (a)

43. Removal of carbon particles from air involves the principle of
    (a) Precipitation
    (b) Filteration
    (c) Electrophoresis
    (d) Sedimentation

    Answer: (c)

44. Which light is least effective in photosynthesis?
    (a) Blue light
    (b) Green light
    (c) Red light
    (d) Sunlight

    Answer: (b)

45. Which of the following acts as best adsorbent?
    (a) Charcoal
    (b) Activated Charcoal
    (c) Activated Coconut Charcoal
    (d) Carbon black

    Answer: (c)

46. The maximum fixation of solar energy is done by
    (a) Bacteria
    (b) Protozoa
    (c) Fungi
    (d) Green plants

    Answer: (d)

47. Harsha moved his capital from _____ to _____ .
(a) Thanesar , Kanauj
(b) Delhi , Deogiri
(c) Kamboj , Kanauj
(d) Valabhi , Delhi
Answer: (a)

48. Who is the Chief Economic Advisor to the Government of India?
(a) Raghu Ram Rajan
(b) Arvind Subramanian
(c) Rajiv Mahirishi
(d) Arvind Pangariya
Answer: (b)

49. Which type of foreign investment is considered as unsafe?
(a) Foreign Direct Investment (FDI)
(b) Portfolio investment
(c) NRI deposits
(d) External commercial borrowing
Answer: (b)

50. The Chairman of the Drafting Committee of the Constituent Assembly of India was
(a) K.M. Munshi
(b) D.P. Khaitan
(c) Dr. B.R. Ambedkar
(d) T.T. Krishnamachari
Answer: (c)

Quantitative Aptitude

52. The base area of a right pyramid is 57 sq. units and height is 10 units. Then the volume of the pyramid is
(a) 190 c. units
(b) 380 c.units
(c) 540 c.units
(d) 570 c.units
Answer: (a)

53. The marked price of a ceiling fan is Rs. 1200 and the shopkeeper allows a discount of 5 % on it. Then selling price of the fan is
(a) Rs. 1410
(b) Rs. 1400
(c) Rs. 1140
(d) Rs. 1104
Answer: (c)

54. If 35% of A's income is equal to 25% of B's income, then the ratio of A's income to B's income is

(a) 7:5

(b) 5:7

(c) 4:7

(d) 4:3

Answer: (b)

55. A and B invest Rs. 3000 and Rs. 2400 respectively in a business. If after one year there is a loss of Rs. 720, how much loss will B bear? (Loss or Profit is in proportion to their investments)

(a) Rs. 72

(b) Rs. 320

(c) Rs..400

(d) Rs. 360

Answer: (b)

57. At an average of 80 km/hr Shatabdi Express reaches Ranchi from Kolkata in 7 hrs. Then the distance between Kolkata and Ranchi is

(a) 560 Km

(b) 506 Km

(c) 560 m

(d) 650 m

Answer: (a)

58. If a3 - b3 = 56 and a - b = 2 then what is the va' of a2 + b2 ?

(a) 12

(b) 20

(c) 28

(d) 32

Answer: (b)

60. X and Y are the mid points of sides AB and AC of a triangle ABC. If BC+XY=12 units, then BC-XY is

(a) 8 units

(b) 4 units

(c) 6 units

(d) 2 units

Answer: (b)

61. The length of the base of an isosceles triangle is 2x-2y+4z, and its perimeter is 4x-2y+6z. Then the length of each of the equal sides is

(a) x+y

(b) x+y+z

(c) 2(x+y)

(d) x+z

Answer: (d)

64. Visitors to a show were charged Rs. 15 each on the first day, Rs. 7.50 on the second day, Rs. 2.50 on the third day and total attendance on three days were in the ratio 2:5:13 respectively. The average charge per person for the entire three days is

(a) Rs. 5

(b) Rs. 5.50

(c) Rs. 6

(d) Rs. 7

Answer: (a)

67. In ΔPQR, L and M are two points on the sides PQ and PR respectively such that LM II QR. If PL=2cm; LQ=6cm and PM=1.5 cm, then MR in cm is

(a) 0.5

(b) 4.5

(c) 9

(d) 8

Answer: (b)

68. The length of the radius of a circle with centre O is 5 cm and the length of the chord AB is 8 cm. The distance of the chord AB from the point O is

(a) 2 cm

(b) 3 cm

(c) 4 cm

(d) 15 cm

Answer: (b)

69. The upper part of a tree broke at a certain [illegible] makes an angle of 60 ° with the ground at a distance of 10 m. from its feet. The original height of the tree was

(a) $20\sqrt{3}$ m.

(b) $10\sqrt{3}$ m.

(c) $10(2+\sqrt{3})$ m.

(d) $10(2-\sqrt{3})$ m.

Answer: (c)

70. What would be the compound interest of Rs. 25000 for 2 yrs. at 5% per annum

(a) 2500

(b) 2562.5

(c) 2425.25

(d) 5512.5

Answer: (b)

72. Study the following histogram of data related to literate people of different age groups
Total number of literate people in the age group 15 to 45 years is

(a) 2800
(b) 3700
(c) 4050
(d) 2350

Answer: (b)

73. Study the following histogram of data related to literate people of different age groups
Number of people literate in the age group of 20 to 35 years is

(a) 2050
(b) 1250
(c) 2150
(d) 1700

Answer: (a)

74. Study the following histogram of data related to literate people of different age groups
Percentage of the literate people in the age group 30-45 years is

(a) 39%
(b) 33.33%
(c) 46.25%
(d) 66.66%

Answer: (b)

75. Study the following histogram of data related to literate people of different age groups
Ratio of literate people in the age group of 20 years to that in the age group of 30-45 years is

(a) 40:20
(b) 27:41
(c) 41:27
(d) 42:26

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. PROFLIGATE

(a) TALKATIVE
(b) INTELLIGENT
(c) UNCONVENTIONAL
(d) WASTEFUL

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. CONTEMPLATIVE

(a) WISTFUL

(b) UNREFLECTIVE

(c) NUMBED

(d) AROUSED

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) RECONAISSANCE

(b) RECCONAISANCE

(c) RECONNAISSANCE

(d) RECONNAISANCE

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. One (A) / should keep (B) / his word. (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. If you turn the corner, (A) / you will found a house (B) / built of stone. (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. His appearance bears (A) / a striking resemblance (B) / to your cousin. (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. The director congratulated Mr. Varma _____ his success.

(a) on

(b) for

(c) at

(d) about

Answer: (a)

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 boys were _____ to hear that we were going to build a bridge.

(a) delight

(b) delights

(c) delighted

(d) delighting

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 revolting players and the game's administrators held _____ discussions to resolve the payment dispute.

(a) unnecessary

(b) obligatory

(c) preliminary

(d) silent

Answer: (c)

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. Wild goose chase

(a) An admirable enterprise

(b) An honest effort

(c) A foolish, unprofitable adventure

(d) A powerful effort

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. Smell a rat

(a) Detect bad smell

(b) Suspect a trick or deceit

(c) Misunderstand

(d) See hidden meaning

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. A live wire

(a) Industrious and brilliant

(b) Lively and active

(c) Sincere and intelligent

(d) Sincere and efficient

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. The ceremony of crowning a sovereign

(a) Felicitation

(b) Promotion

(c) Coronation

(d) Installation

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. One who tends to patronize, rebuff or ignore people regarded as social inferiors and imitate, admire people regarded as social superiors

(a) Snob

(b) Fob

(c) Dandy

(d) Freak

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 room where dead bodies are kept until burial

(a) Grave

(b) Cemetery

(c) Mortuary

(d) Pyre

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. We set out for the gallows. Two warders marched on either side of the prisoner, with their rifles at the slope; two others marched close against him, gripping him by his arm and shoulder, as though, at once pushing and supporting him. The rest of us, magistrates and the like, followed behind. Suddenly, when we had gone ten yards, the procession stopped short without any order or warning. A dreadful thing had happened - a dog, come goodness knows whence, had appeared in the yard. It came bounding among us with a loud volley of barks, and leapt round us wagging its whole body, wild with glee at finding so many human beings together. It was a large woolly dog, half Airedale, half Pariah. For a moment, it pranced round us, and then, before anyone could stop it, it had made a dash for the prisoner, and jumping up tried to lick his face. Everyone stood aghast, too taken aback even to grab at the dog.

96. What was the tone of the essay at the beginning?
    (a) Celebrative
    (b) Emotionally charged
    (c) Gloomy
    (d) Light-hearted
    Answer: (c)

97. How did the arrival of the dog change the atmosphere of the event?
    (a) It caused the people to scatter
    (b) It allowed the prisoner to escape
    (c) It saddened the prisoner even more
    (d) It stunned everyone present there
    Answer: (d)

98. What was the emotion displayed by the dog?
    (a) Fear
    (b) Joy
    (c) Anger
    (d) Alarm
    Answer: (b)

99. What was surprising about the actions of the dog?
    (a) It ran up and down the path
    (b) It bit the guards
    (c) It barked at the magistrates
    (d) It licked the prisoner's face
    Answer: (d)

100. How did the author respond to the appearance of the dog?

(a) He jumped at the dog and collared it

(b) He ignored the dog and pretended it was not there

(c) He was taken aback as the others

(d) He yelled at the dog to silence its barking

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	**(c)**	2	**(d)**	3	**(a)**	4	**(c)**	5	**(b)**	6	**(a)**	7	**(b)**	8	**(c)**
9	**(b)**	10	**(b)**	12	**(d)**	13	**(a)**	14	**(b)**	15	**(a)**	16	**(b)**	17	**(c)**
18	**(a)**	19	**(c)**	25	**(b)**										

General Awareness

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

Quantitative Aptitude

52	**(a)**	53	**(c)**	54	**(b)**	55	**(b)**	57	**(a)**	58	**(b)**	60	**(b)**	61	**(d)**
64	**(a)**	67	**(b)**	68	**(b)**	69	**(c)**	70	**(b)**	72	**(b)**	73	**(a)**	74	**(b)**
75	**(c)**														

English Comprehension

76	**(d)**	77	**(b)**	78	**(c)**	79	**(c)**	80	**(b)**	81	**(d)**	82	**(a)**	83	**(c)**
84	**(c)**	85	**(c)**	86	**(b)**	87	**(b)**	8[illegible]	**(c)**	89	**(a)**	90	**(c)**	96	**(c)**
97	**(d)**	98	**(b)**	99	**(d)**	100	**(c)**								