PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 9 August 2017, Shift 1

SSC CGL · 9 August 2017 · 10:00 AM - 11:00 AM

83 of the paper's 92 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 9 (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 August 2017, 10:00 AM - 11:00 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-2017-tier-1-9-aug-shift-1/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Kilometre : Metre : : Tonne : ?

(a) Litre

(b) Kilogram

(c) Hours

(d) Weight

Answer: (b)

2. In the following question, select the related letters from the given alternatives. AGN : IOV : : BLM : ?

(a) JTU

(b) KTU

(c) JUV

(d) TUJ

Answer: (a)

3. In the following question, select the related number from the given alternatives. 9143 : 9963 : : 6731 : ?

(a) 1368

(b) 5666

(c) 8964

(d) 9694

Answer: (c)

4. In the following question, select the odd word from the given alternatives.

(a) Chennai

(b) Daman

(c) Raipur

(d) Shimla

Answer: (b)

5. In the following question, select the odd letter from the given alternatives.

(a) B

(b) N

(c) P

(d) W

Answer: (d)

6. In the following question, select the odd number from the given alternatives.

(a) 313

(b) 426

(c) 925

(d) 1034

Answer: (a)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Ball 2. Balanced 3. Balls 4. Balance 5. Balancing

(a) 24135

(b) 42135

(c) 42513

(d) 54213

Answer: (c)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. AG, LR, WC, HN, ?

(a) QY

(b) RX

(c) SY

(d) TZ

Answer: (c)

9. In the following question, select the missing number from the given series. 13, 16, 11, 18, 9, 20, ?

(a) 3

(b) 5

(c) 6

(d) 7

Answer: (d)

10. Punit said to a lady, "The sister of your father's wife is my aunt". How is the lady related to Punit?

(a) Daughter

(b) Grand Daughter

(c) Niece

(d) Cousin sister

Answer: (d)

11. There are 45 trees in a row. The lemon tree is 20th from right end. What is the rank of lemon tree from left end?

(a) 26

(b) 24

(c) 25

(d) 27

Answer: (a)

12. In the following question, from the given alternative words, select the word which cannot be formed using the letters of the given word. UNIFORMITY

(a) ANNUITY

(b) FORUM

(c) MINT

(d) UNIFORM

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Answer: (a)

13. In a certain code language, "TIRED" is written as "56" and "BRAIN" is written as "44". How is "LAZY" written in that code language?

(a) 64

(b) 61

(c) 58

(d) 43

Answer: (a)

14. In the following question, by using which mathematical operator will the expression become correct? 18 ? 6 ? 9 ? 27

(a) x, ÷ and =

(b) ÷, x and =

(c) x, + and =

(d) +, – and =

Answer: (b)

15. If 18 (9) 3 and 36 (30) 5, then what is the value of A in 19 (A) 18?

(a) 33

(b) 57

(c) 75

(d) 96

Answer: (b)

22. Who gave the 'General Equilibrium Theory'?
    (a) J. M. Keynes
    (b) Leon Walras
    (c) David Ricardo
    (d) Adam Smith
    Answer: (b)

23. Which of the following is not true about a Demand Draft?
    (a) It is a negotiable instrument.
    (b) It is a banker's cheque.
    (c) It may be dishonoured for lack of funds.
    (d) It is issued by a bank.
    Answer: (c)

24. Who administers the oath of the President of India?
    (a) Governor General of India
    (b) Chief Justice of India
    (c) Prime Minister of India
    (d) Vice President of India
    Answer: (b)

25. Who among the following gave monistic theory of sovereignty?
    (a) Austin
    (b) Darwin
    (c) Aristotle
    (d) Marx
    Answer: (a)

General Awareness

26. Which one is the correct chronological order of the following events? I. Quit India Movement II. Shimla Conference III. Poona Pact IV. Cabinet Mission
    (a) II, IV, I, III
    (b) III, IV,II, I
    (c) III, I, II, IV
    (d) IV, II, III, I
    Answer: (c)

27. In 1917, which movement was launched by Mahatma Gandhi from Champaran?
    (a) Satyagraha
    (b) Non co-operation movement
    (c) Quit India movement
    (d) Swadeshi Movement
    Answer: (a)

28. What is the name of the tropical cyclones in the China Sea?
    (a) Hurricanes
    (b) Tornado
    (c) Twister
    (d) Typhoon
    Answer: (d)

29. Which among the following country is not a part of Scandinavia?
    (a) Norway
    (b) Finland
    (c) Sweden
    (d) Denmark
    Answer: (b)

30. Cattle quickly swallow grass and store it in their _____.
    (a) rumen
    (b) esophagus
    (c) small intestine
    (d) salivary glands
    Answer: (a)

31. Which of the following carries oxygen to various parts of human body?
    (a) Red blood cells
    (b) White blood cells
    (c) Plasma
    (d) Nerves
    Answer: (a)

32. Which of the following function is performed by the kidneys in the human body?
    (a) Excretion
    (b) Respiration
    (c) Digestion
    (d) Transportation
    Answer: (a)

33. The bending of light when it passes around a corner or a slit is due to _____.
    (a) reflection
    (b) refraction
    (c) diffraction
    (d) total internal reflection
    Answer: (c)

34. What is the reason for formation of Mirage in desert?
    (a) Refraction of light
    (b) Reflection of light
    (c) Total internal reflection of light
    (d) Both Refraction and Total internal reflection of light

    Answer: (d)

35. FORTRAN is not used for _____. (I) Drawing pictures (II) Carrying out mathematics computations
    (a) Only (I)
    (b) Only (II)
    (c) Both (I) and (II)
    (d) Neither (I) nor (II)

    Answer: (c)

36. Which of the following bonds are weakest in nature?
    (a) Single bond
    (b) Double bond
    (c) Triple bond
    (d) Hydrogen bond

    Answer: (d)

37. In the following reaction, fill in the blank. Acid + Ba → _____ + Water
    (a) Carbon dioxide
    (b) Metal Oxide
    (c) Hydrogen Gas
    (d) Salt

    Answer: (d)

38. Bishnoi movement was started against which of the following?
    (a) Cutting of Trees
    (b) Inequality of Women
    (c) Killing of Animals
    (d) Increasing Pollution

    Answer: (a)

39. What is the major aim of Pradhan Mantri Ujjwala Yojana?
    (a) To provide electricity
    (b) To provide LED bulbs
    (c) To provide LPG connections
    (d) To construct village roads

    Answer: (c)

40. Who discovered television?
    (a) Michael Faraday
    (b) Joseph Henry
    (c) Abbe Caselli
    (d) John Baird

    Answer: (d)

41. How many players are there in a team of Volleyball?
    (a) 2
    (b) 4
    (c) 6
    (d) 5

    Answer: (c)

43. Who among the following has been recently awarded with ‘Indian of the year’ award?
    (a) Sunita Rani
    (b) Dhiraj Singh
    (c) Preety Shenoy
    (d) Abhishek Kumar

    Answer: (c)

44. Who is the author of the book titled 'Selection Da
    (a) Aravind Adiga
    (b) Anil Menon
    (c) Krishna Sobti
    (d) Arunava Sinha

    Answer: (a)

45. Which of the following country is not a member of BRICS association?
    (a) Brazil
    (b) Russia
    (c) Iceland
    (d) China

    Answer: (c)

46. With which of its neighbouring country India has Kalapani territorial dispute?
    (a) Nepal
    (b) Bangladesh
    (c) Pakistan
    (d) Sri Lanka

    Answer: (a)

48. A piece of work was finished by A, B and C together. A and B together finished 60% of the work and B and C together finished 70% of the work. Who among the three is most efficient?

(a) A

(b) B

(c) C

(d) A or B

Answer: (c)

49. Three solid spheres of radius 3 cm, 4 cm and 5 cm are melted and recasted into a solid sphere. What will be the percentage decrease in the surface area?

(a) 12

(b) 14

(c) 16

(d) 28

Answer: (d)

50. The marked price of a sofa set is Rs 4800 which is sold at Rs 3672 at two successive discounts. If the first discount is 10%, then what will be the second discount (in %)?

(a) 13

(b) 14

(c) 15

(d) 17

Answer: (c)

Quantitative Aptitude

51. A, B and C invested amounts in the ratio 3 : 4 : 5 respectively. If the schemes offered compound interest at the rate of 20% per annum, 15% per annum and 10% per annum respectively, then what will be the ratio of their amounts after 1 year?

(a) 3 : 15 : 25

(b) 6 : 6 : 5

(c) 36 : 46 : 55

(d) 12 : 23 : 11

Answer: (c)

52. The average age of 120 members of a society is 60.7 years. By addition of 30 new members, the average age becomes 56.3 years. What is the average age (in years) of newly joined members?

(a) 36.5

(b) 37.2

(c) 38.3

(d) 38.7

Answer: (d)

53. By selling 175 pineapples, the gain is equal to the selling price of 50 pineapples. What is the gain percentage?

(a) 28

(b) 30

(c) 32

(d) 40

Answer: (d)

54. If A has got 20% more marks than B, then by what percent marks of B are less than the marks of A?

(a) 16.66

(b) 20

(c) 33.33

(d) 14.28

Answer: (a)

55. A train leaves Delhi at 10 a.m. and reaches Jaipur at 4 p.m. on same day. Another train leaves Jaipur at 12 p.m. and reaches Delhi at 5 p.m. on same day. What is the time of day (approximately) when the two trains will meet?

(a) 1:42 p.m.

(b) 1:27 p.m.

(c) 2:04 p.m.

(d) 1:49 p.m.

Answer: (d)

56. The difference between the compound in[illegible]ompounding half yearly for 1 year and the simple interest for 1 year on a certain sum of money lent out at 8% per annum is Rs 64. What is the sum (in Rs)?

(a) 40000

(b) 42000

(c) 44000

(d) 44800

Answer: (a)

58. If (x – y) = 7, then what is the value of (x – 15)3 – (y – 8)3?

(a) 0

(b) 343

(c) 392

(d) 2863

Answer: (a)

59. If $x - y - \sqrt{18} = -1$ and $x + y - 3\sqrt{2} = 1$, then what is the value of $12xy(x^2 - y^2)$?

(a) 0

(b) 1

(c) $512\sqrt{2}$

(d) $612\sqrt{2}$

Answer: (d)

60. If $p/q = r/s = t/u = \sqrt{5}$, then what is the value of $[(3p^2 + 4r^2 + 5t^2)/(3q^2 + 4s^2 + 5u^2)]$?

(a) 1/5

(b) 5

(c) 25

(d) 60

Answer: (b)

61. In triangle ABC, a line is drawn from the vertex A to a point D on BC. If BC = 9 cm and DC = 3 cm, then what is the ratio of the areas of triangle ABD and triangle ADC respectively?

(a) 1 : 1

(b) 2 : 1

(c) 3 : 1

(d) 4 : 1

Answer: (b)

62. PQR is a right angled triangle in which $\angle R = 90°$. RS $\perp$ PQ, PR = 3 cm and RQ = 4 cm, then what is the value of RS (in cm)?

(a) 12/5

(b) 36/5

(c) 5

(d) 2.5

Answer: (a)

63. In triangle PQR, A is the point of intersection of all the altitudes and B is the point of intersection of all the angle bisectors of the triangle. If $\angle PBR = 105°$, then what is the value of $\angle PAR$ (in degrees)?

(a) 60

(b) 100

(c) 105

(d) 115

Answer: (a)

64. If there are four lines in a plane, then what cannot be the number of points of intersection of these lines?

(a) 0

(b) 5

(c) 4

(d) 7

Answer: (d)

65. What is the simplified value of cosec 2A + cot 2A?

(a) sec A

(b) sec (A/2)

(c) cot A

(d) cot2 A

Answer: (c)

66. If A = 30°, B = 60° and C = 135°, then what is the value of sin3A + cos3B + tan3C – 3sin A cos B tan C?

(a) 0

(b) 1

(c) 8

(d) 9

Answer: (a)

67. What is the least value of tan2 θ + cot2 θ + sin2 θ + cos2 θ + sec2 θ + cosec2 θ?

(a) 1

(b) 3

(c) 5

(d) 7

1) 15 2) 20 3) 25 4) 40 1) 46 2) 51.75 3) 69 4) 103.5 1) 136 2) 184 3) 216 4) 232 1) 17.28 2) 18 3) 19.44 4) 36

Answer: (a)

68. 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'. If you had (1)/ told me earlier (2)/ I will help you. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

69. 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'. Her mother is (1)/ angry and (2)/ indifferent to me. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

70. 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. Don't loiter _____ the corridor.

(a) around

(b) off

(c) of

(d) at

Answer: (a)

71. 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. I will scold him when _____.

(a) he will come

(b) he comes

(c) he would come

(d) he had come.

Answer: (b)

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

(a) Shiver

(b) Frank

(c) Immoral

(d) Dulcet

Answer: (d)

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

(a) Soften

(b) Order

(c) Avoid

(d) Chaotic

Answer: (c)

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

(a) Brazen

(b) Natural

(c) Exemplary

(d) Gaudy

Answer: (b)

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

(a) Definite

(b) Inchoate

(c) Dismal

(d) Sullen

Answer: (a)

English Comprehension

76. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. Spick and Span

(a) High and low

(b) Dark and light

(c) Neat and clean

(d) Happy and sad

Answer: (c)

77. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. To draw the longbow

(a) To nullify

(b) To exaggerate

(c) To underrate

(d) To demarcate

Answer: (b)

78. Improve the bracketed part of the sentence. By rescuing the child from fire, the local resident (added another feather to his cap.)

(a) made a significant achievement

(b) was gifted with precious thing

(c) was crowned and rewarded

(d) No improvement

Answer: (a)

79. Improve the bracketed part of the sentence. The government plans to (take up) the construction project soon.

(a) Take on

(b) Take off

(c) Take in

(d) No improvement

Answer: (d)

80. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. A man devoid of kind feeling and sympathy.

(a) Callous

(b) Credulous

(c) Gullible

(d) Bohemian

Answer: (a)

81. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One who eats two much

(a) Impostor

(b) Glutton

(c) Hypochondriac

(d) Intestate

Answer: (b)

82. In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

(a) Forfeit

(b) Gorilla

(c) Blissfull

(d) Corrupt

Answer: (c)

83. In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

(a) Afforestation

(b) Translusent

(c) Foreigner

(d) Achievement

Answer: (b)

84. 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. P- The aim must be to ensure that our country does not experience either paucity or a-surfeit of trained manpower in any specific segment of our economy. Q- When we set about the task of higher education, we should be absolutely clear in our perception of the goals of education in the specific context of our nation's development. R- No doubt, one of the important aims of education would be to create the required range and nature of trained manpower assessed to be needed by different sectors of national growth. S- The entire educational apparatus must be geared progressively to fulfill the requirements of different phases of our growth in every sector primary, secondary and tertiary.

(a) SQPR

(b) QRSP

(c) SRQP

(d) PSQR

Answer: (b)

85. 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. P- Bureaucratic cultures can smother those who want to respond to shifting conditions. Q- Arrogant managers can overevaluate their current performance and competitive position listen poorly and learn slowly. R- And the lack of leadership leaves no force inside these organizations to break out of the morass. S- Inwardly focused employees can have difficulty seeing the very forces that present threats and opportunities.

(a) PRQS

(b) SPQR

(c) RQPS

(d) QSPR

Answer: (d)

86. In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice. She teaches us English.

(a) English is being taught to us by her.

(b) We are taught English by her.

(c) English have been taught to us by her.

(d) We had been taught English by her.

Answer: (b)

87. 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. Nisha said to Swati, " Will you help me in my project just now?"

(a) Nisha told Swati whether she will help her in her project just now.

(b) Nisha asked Swati if she would help [illegible] project just then.

(c) Nisha questioned to Swati that will you help me in my project just now.

(d) Nisha asked to Swati that will she help her in her work just now.

Answer: (b)

Passage — for questions 88–92

> 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. Democracy should _____ dignity of the individual. It should also aim at the _____ good of the greatest _____. The opposition party should _____ the wrong plans, policies and decisions of the government in power. The government should cater to the _____ needs of the people to make its position solid.

88. Democracy should _____ dignity of the individual.

(a) built

(b) ensure

(c) keep

(d) support

Answer: (b)

89. It should also aim at the _____ good
    (a) greatest
    (b) smallest
    (c) largest
    (d) heaviest
    Answer: (a)

90. of the greatest _____. The opposition party
    (a) people
    (b) digit
    (c) number
    (d) individual
    Answer: (c)

91. should _____ the wrong plans, policies and decisions of the government in power.
    (a) rely on
    (b) against
    (c) support
    (d) oppose
    Answer: (d)

92. The government should cater to the _____ needs of the people to make its position solid.
    (a) genuine
    (b) mere
    (c) emotional
    (d) luxurious
    Answer: (a)

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	**(b)**	2	**(a)**	3	**(c)**	4	**(b)**	5	**(d)**	6	**(a)**	7	**(c)**	8	**(c)**
9	**(d)**	10	**(d)**	11	**(a)**	12	**(a)**	13	**(a)**	14	**(b)**	15	**(b)**	22	**(b)**
23	**(c)**	24	**(b)**	25	**(a)**										

General Awareness

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

Quantitative Aptitude

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

English Comprehension

76	**(c)**	77	**(b)**	78	**(a)**	79	**(d)**	80	**(a)**	81	**(b)**	82	**(c)**	83	**(b)**
84	**(b)**	85	**(d)**	86	**(b)**	87	**(b)**	88	**(b)**	89	**(a)**	90	**(c)**	91	**(d)**
92	**(a)**														