PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 10 August 2017, Shift 2

SSC CGL · 10 August 2017 · 1:15 PM - 2:15 PM

90 of the paper's 100 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 10 (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 August 2017, 1:15 PM - 2:15 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-2017-tier-1-10-aug-shift-2/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Pressure : Barometer : : ? : Odometer

(a) Humidity

(b) Distance

(c) Thickness

(d) Wind

Answer: (b)

2. In the following question, select the related letters from the given alternatives. AEDM : ZQRN : : FLMO : ?

(a) BZYS

(b) CZYS

(c) SZYB

(d) YZBC

Answer: (a)

3. In the following question, select the related number from the given alternatives. 243 : 578 : : 163 : ?

(a) 291

(b) 326

(c) 347

(d) 443

Answer: (b)

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

(a) Flower

(b) Fruit

(c) Leaves

(d) Root

Answer: (d)

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

(a) CEAC

(b) FHDF

(c) PRMP

(d) TVRT

Answer: (c)

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

(a) 2132 – 161

(b) 2678 – 672

(c) 4325 – 120

(d) 6931 – 162

Answer: (a)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Dillydallying 2. Dillydallied 3. Dillydally 4. Dilled 5. Dillydallies

(a) 42351

(b) 42531

(c) 45312

(d) 45321

Answer: (b)

8. In the following question, which one set of letters [illegible]en sequentially placed at the gaps in the given letter series shall complete it? lm_o_nm_l_n__[illegible]

(a) molnon

(b) nolmoo

(c) nomloo

(d) noolmm

Answer: (b)

9. In the following question, select the missing number from the given series. 21, 25, 52, 68, 193, ?

(a) 229

(b) 242

(c) 257

(d) 409

Answer: (a)

10. Kamal starts walking from his home facing west direction. After walking 10 km he takes a right turn and walks another 10 km. He takes another right turn and walks 10 km to reach his school. How far (in km) and in which direction is he from his home?

(a) 10, North

(b) 10, South

(c) 20, North-East

(d) 20, South-West

Answer: (a)

11. In a class, P has more marks than Q and R does not have the least marks. S has more marks than T and T has more marks than P, who among them will have the least marks?

(a) P

(b) Q

(c) S

(d) T

Answer: (b)

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

(a) PROCEED

(b) RACE

(c) REPEAT

(d) TEAR

Answer: (a)

13. In a certain code language, "CASIO" is written as "3119915". How is "CITIZEN" written in that code language?

(a) 295629134

(b) 3192295614

(c) 3912659214

(d) 3920926514

Answer: (d)

14. In the following question, correct the equation by interchanging the two signs. 6 ÷ 17 x 51 + 6 – 12 = – 4

(a) x and ÷

(b) + and ÷

(c) + and –

(d) – and ÷

Answer: (a)

15. If 6 * 9 – 4 = 58 and 3 * 9 – 7 = 34, then in the expression A * 4 – 9 = 91, what is the value of 'A'?

ENROLL NOW
READ THEIR STORIES !

(a) 6.5

(b) 17.5

(c) 20.5

(d) 30.5

Answer: (c)

18. In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from comonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. Some staplers are pins. II. All pins are markers. Conclusions: I. Some staplers are markers. II. All markers are pins.

(a) Only conclusion (I) follows.

(b) Only conclusion (II) follows.

(c) Neither conclusion (I) nor conclusion (II) follows.

(d) Both conclusions follow.

Answer: (a)

General Awareness

26. In which market form, a market or industry is dominated by a few firms?

(a) Perfect Competition

(b) Monopoly

(c) Oligopoly

(d) Monopolistic

Answer: (c)

27. Which amongst the following is not a component of monetary policy in India?

(a) Repo rate

(b) Moral suasion

(c) Credit Rationing

(d) Public Debt

Answer: (d)

28. Who among the following is not a member of any of the two houses of our country?

(a) Prime Minister

(b) Finance Minister

(c) President

(d) Railway Minister

Answer: (c)

29. Which article of Indian constitution has the provision for National Emergency?

(a) Article 350

(b) Article 352

(c) Article 312

(d) Article 280

Answer: (b)

30. Who led the Bardoli Satyagraha movement?
    (a) Mahatma Gandhi
    (b) Rabindra Nath Tagore
    (c) Sardar Vallabhbhai Patel
    (d) Chittaranjan Das

    Answer: (c)

31. Who is known as the 'Father of Indian Unrest'?
    (a) Anant Singh
    (b) Bal Gangadhar Tilak
    (c) Bhagat Singh
    (d) Dadabhai Naoroji

    Answer: (b)

32. Which of the following region is covered by tropical evergreen forest?
    (a) Eastern Ghat
    (b) Vindhyanchal
    (c) Aravalli
    (d) Western Ghat

    Answer: (d)

33. The final boundary between the Earth and the outer space is called _____.
    (a) magnetosphere
    (b) ionosphere
    (c) mesopause
    (d) magnetopause

    Answer: (d)

34. What is the name of the hormone produced by thymus gland?
    (a) Thyroxine
    (b) Auxins
    (c) Cytokinins
    (d) Thymosin

    Answer: (d)

35. Photosynthesis takes place in the presence of chlorophyll and _____.
    (a) water
    (b) nutrients
    (c) carbon-dioxide
    (d) sunlight

    Answer: (d)

36. Which blood group is universal acceptor?
    (a) O+
    (b) O–
    (c) AB–
    (d) AB+
    Answer: (d)

37. If objects appear enlarged and inverted in a rear view mirror, then which type of mirror is used?
    (a) Concave
    (b) Convex
    (c) Cylindrical
    (d) Plane
    Answer: (a)

38. Soap bubble attains spherical shape due to _____.
    (a) inertia
    (b) pressure
    (c) surface tension
    (d) Viscosity
    Answer: (c)

39. CAD stands for _____.
    (a) Common Aided Design
    (b) Computer Aided Design
    (c) Complex Aided Design
    (d) Communication Aided Design
    Answer: (b)

40. Which of the following is a characteristic of an exothermic reaction?
    (a) Release of heat
    (b) Absorption of heat
    (c) Doesn't involve any change in temperature
    (d) None of the option is correct
    Answer: (a)

41. What is the chemical formula for Sodium Chloride (Salt)?
    (a) NaCl2
    (b) NaCl
    (c) Na2Cl
    (d) Na2C
    Answer: (b)

42. Which of the following gas contributes the maximum to the phenomena of global warming?
    (a) Methane
    (b) Chlorofluorocarbon (CFC)
    (c) Nitrogen dioxide
    (d) Carbon dioxide

    Answer: (d)

43. Who selects the Social Audit Committee under MGNREGA scheme?
    (a) Chief Minister
    (b) Gram Sabha
    (c) Mayor
    (d) B.D.O.

    Answer: (b)

44. Which of the following was invented by Sir Humphry Davy?
    (a) Safety Pin
    (b) Steam Engine
    (c) Safety Lamp
    (d) X-Rays

    Answer: (c)

45. Who has won the 2016 Men's Single title at US Open?
    (a) Novak Djokovic
    (b) Rafael Nadal
    (c) Stan Wawrinka
    (d) Andy Murray

    Answer: (c)

47. Who has recently been awarded with Nobel Prize for peace in 2016?
    (a) Juan Manuel Santos
    (b) Henry Dunant
    (c) Kailash Satyarthi
    (d) Malala Yousefzai

    Answer: (a)

48. Which of the following is a book written by Shashi Tharoor?
    (a) It's Not About You
    (b) Invisible People
    (c) An Era of Darkness
    (d) Democrats and Dissenters

    Answer: (c)

49. With which country India has recently decided to partner with for strategic storage of crude oil in southern India?

(a) Iran

(b) Iraq

(c) United Arab Emirates

(d) United States of America

Answer: (c)

50. Which neighbouring country of India is also reffered as 'Druk Yul'?

(a) Myanmar

(b) Maldives

(c) Bhutan

(d) Afghanistan

Answer: (c)

Quantitative Aptitude

51. How many numbers are there between 1 to 200 which are divisible by 3 but not by 7?

(a) 38

(b) 45

(c) 57

(d) 66

Answer: (c)

52. 10 women can do a piece of work in 6 [illegible] 6 [illegible]n can do same work in 5 days and 8 children can do it in 10 days. What is the ratio of the e[illegible]y of a woman, a man and a child respectively?

(a) 4 : 6 : 3

(b) 4 : 5 : 3

(c) 2 : 4 : 3

(d) 4 : 8 : 3

Answer: (d)

53. The ratio of the volume of two cylinders is 7 : 3 and the ratio of their heights is 7 : 9. If the area of the base of the second cylinder is 154 cm2, then what will be the radius (in cm) of the first cylinder?

(a) $6\sqrt{2}$

(b) $6\sqrt{3}$

(c) $7\sqrt{2}$

(d) $7\sqrt{3}$

Answer: (d)

54. Kanchan bought a clock with 25% discount on marked price. She sold it with 75% gain on the price she bought. What was her profit percentage on the marked price?

(a) 31.25

(b) 50

(c) 56.25

(d) 60

Answer: (a)

55. A, B and C received an amount of Rs 8400 and distributed among themselves in the ratio of 6 : 8 : 7 respectively. If they save in the ratio of 3 : 2 : 4 respectively and B saves Rs 400, then what is the ratio of the expenditures of A, B and C respectively?

(a) 6 : 8 : 7

(b) 8 : 6 : 7

(c) 9 : 14 : 10

(d) 12 : 7 : 9

Answer: (c)

56. The average age of 24 students is 12 years. It was observed that while calculating the average age, the age of a student was taken as 14 years instead of 8 years. What will be the correct average age (in years)?

(a) 11.25

(b) 11.5

(c) 11.75

(d) 12.25

Answer: (c)

57. 70% of the cost price of a article is equal to the 40% of its selling price. What is the profit or loss percentage?

(a) 63% loss

(b) 70% loss

(c) 75% profit

(d) 80% profit

Answer: (c)

58. a% of b + b% of a = _____

(a) 2a% of b

(b) 2a% of 2b

(c) 2a% of 2a

(d) 2b% of 2b

Answer: (a)

59. If I walk at 7/6 of my usual speed, then I reach my office 15 minutes early. What is the usual time taken (in minutes) by me to reach the office?

(a) 60

(b) 75

(c) 90

(d) 105

Answer: (d)

60. A person lent Rs 10000 to B for 3 years and Rs 6000 to C for 4 years on simple interest at same rate of interest and received Rs 5400 in all from both of them as interest. What is the rate of interest (in %)?

(a) 10

(b) 12.5

(c) 15

(d) 20

Answer: (a)

61. If x3 + 2×2 – 5x + k is divisible by x + 1, then what is the value of k?

(a) – 6

(b) – 1

(c) 0

(d) 6

Answer: (a)

62. If 3x + [1/(5x)] = 7, then what is the valu[illegible]f 5x[illegible]×2 + 15x + 1)?

(a) 1/5

(b) 1/10

(c) 2/5

(d) 10

Answer: (b)

63. If x + [1/(4x)] = 5/2, then what is the value of (64×6 + 1)/8×3?

(a) 110

(b) 115

(c) 125

(d) 140

Answer: (a)

64. If x2 + x = 19, then what is the value of (x + 5)2 + [1/(x + 5)2]?

(a) 77

(b) 79

(c) 81

(d) 83

Answer: (b)

65. In triangle ABC, AD, BE and CF are the medians intersecting at point G and area of triangle ABC is 156 cm2. What is the area (in cm2) of triangle FGE?

(a) 13

(b) 26

(c) 39

(d) 52

Answer: (a)

66. In triangle ABC, ∠ABC = 15o .D is a point on BC such that AD = BD. What is the measure of ∠ ADC (in degrees)?

(a) 15

(b) 30

(c) 45

(d) 60

Answer: (b)

67. The length of diagonal of a square is 9√2 cm. The square is reshaped to form a triangle. What is the area (in cm2) of largest incircle that can be formed in that triangle?

(a) 6π

(b) 9π

(c) 12π

(d) 15π

Answer: (c)

68. The length of the common chord of tw[illegible]ters[illegible]ng circles is 12 cm. If the diameters of the circles are 15 cm and 13 cm, then what is the [illegible]e (in cm) between their centers?

(a) 7/2

(b) 7

(c) 7√2

(d) 14

Answer: (b)

69. What is the simplified value of sec4 θ – sec2 θ tan2 θ?

(a) cosec2 θ

(b) sec2 θ

(c) cot2 θ

(d) sec θ tan θ

Answer: (b)

70. What is the simplified value of (sin A – cosec A)(sec A – cos A) (tan A + cot A)?

(a) 1

(b) – 1

(c) 0

(d) 2

Answer: (b)

71. If (1/cos θ) – (1/cot θ) = 1/P, then what is the value of cos θ?
    (a) (P + 1)/(P – 1)
    (b) (P2 + 1)/2P
    (c) 2(P2 + 1)/P
    (d) 2P/(P2 + 1)

    Answer: (d)

72. What is the surplus (in '000 quintals) of country A of years 2013 and 2014 taken together?
    (a) 122
    (b) 131
    (c) 143
    (d) 158

    Answer: (b)

73. What is the stock (in '000 quintals) of country C at end of the 4 year period?
    (a) 5926
    (b) 6213
    (c) 6826
    (d) 8844

    Answer: (c)

74. What is the difference (in '000 quintals) in average production and average sales respectively of country C in the given four years?
    (a) – 252.25
    (b) – 415.50
    (c) 350.75
    (d) 275.25

    Answer: (a)

75. What can be said about total surplus of country B and country D over the 4 years?
    (a) Surplus of B = Surplus of D
    (b) Surplus of D > Surplus of B
    (c) Surplus of B > Surplus of D
    (d) No relation is there

    Answer: (b)

English Comprehension

76. 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'. Inspite of the doctor's stern warning (1)/ Latika continued taking (2)/ sugars in her milk. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

77. 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'. Myself and Roshni (1)/ will take care of (2)/ the event on Sunday. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (a)

78. 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. _____ the rain stopped, the concert had to be suspended.

(a) Until

(b) Unless

(c) Till

(d) while

Answer: (a)

79. 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. The elephant stampeded and tore _____ the streets.

(a) on

(b) out

(c) off

(d) down

Answer: (d)

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

(a) Solitary

(b) Superficial

(c) Soothing

(d) Brazier

Answer: (d)

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

(a) Talkative

(b) Foolishness

(c) Graceful

(d) Entertainer

Answer: (a)

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

(a) Envelop

(b) Puzzle

(c) Haze

(d) Clarify

Answer: (d)

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

(a) Establish

(b) Sorrow

(c) Disdain

(d) Elation

Answer: (b)

84. In the following question, out of the fou[illegible]tern[illegible]es, select the alternative which best expresses the meaning of the idiom/Phrase. C[illegible]-hearted

(a) Coward

(b) Short tempered

(c) Composed

(d) Bold

Answer: (a)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. Red letter day

(a) Starting day

(b) Holiday

(c) Significant day

(d) Ending day

Answer: (c)

86. Improve the bracketed part of the sentence. He jumped off the train while it (had been running).

(a) has been running

(b) ran

(c) was running

(d) No improvement

Answer: (c)

87. Improve the bracketed part of the sentence. I (didn't see) him since we met two years ago.

(a) am not seeing

(b) have not seen

(c) had not seen

(d) No improvement

Answer: (b)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One who is new to a profession

(a) Nuance

(b) Pun

(c) Tyro

(d) Vandal

Answer: (c)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. A speech or a presentation made without previous preparation.

(a) Euphemism

(b) Obituary

(c) Extempore

(d) Soliloquy

Answer: (c)

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

(a) Millionaire

(b) Omission

(c) Foreign

(d) Proprietry

Answer: (d)

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

(a) Acquaintence

(b) Appeasement

(c) Abnormality

(d) Accentuate

Answer: (a)

92. 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: And the victims are likely to be the poorest of the poor as well as the very sources of water- rivers, wetlands and aquifers. Q: In India, water conflicts are likely to worsen before they begin to be resolved. R: Till then they pose a significant threat to economic growth, security and health of the ecosystem. S: Water is radically altering and affecting political boundaries all over world, between as well as within countries.

(a) SQPR

(b) PRQS

(c) QRPS

(d) PSQR

Answer: (a)

93. 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: For one, very few entrepreneurs are willing to take on a new outsource, unless it comes with a guarantee of a certain level of sales. Q: This invariably acts as an incentive for outsources to be lax in developing the business. R: Despite being the dominant partner in the relationship, the outsourcer doesn't always have all the advantages. S: The trade refers to it as the minimum guarantee clause, which means that if a outsourcee is unable to reach an anticipated sales level, he will be compensated for the balance amount.

(a) PRQS

(b) SPQR

(c) QSPR

(d) RPSQ

Answer: (d)

94. 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. Somebody told me that there had been a robbery in the jewellery exhibition.

(a) I was informed that there was a robbery in the jewellery exhibition.

(b) I was told by somebody that there has been a robbery in the jewellery exhibition.

(c) I was told by somebody about a robbery in the jewellery exhibition.

(d) I was told about a robbery in the jewellery exhibition.

Answer: (b)

95. 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. Rohan said, "Where shall I be this time next month"

(a) Rohan contemplated where shall he be that time the following month.

(b) Rohan asked that where should be that time next month.

(c) Rohan wondered where he should be that time the next month.

(d) Rohan wondered where he would be that time the following month.

Answer: (d)

Passage — for questions 96–100

> 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 modes of action are _____ in science and religion. Science relies on experiment, whereas religion is based on experience. Any religious _____ whether it is Christ's or Ramakrishna's is personal and _____ . Science, on the other hand is marked by objectivity. Theory has to be corroborated by _____ proof providing material comforts. The frontiers of science do not end in knowledge but are _____ to the formation of appliances for actual use.

96. The modes of action are _____ in science and religion.
    (a) similar
    (b) different
    (c) equal
    (d) relevant

    Answer: (b)

97. whereas religion is based on experience. Any religious _____ whether
    (a) experience
    (b) thought
    (c) festival
    (d) activity

    Answer: (a)

98. it is Christ's or Ramakrishna's is personal and __
    (a) significant
    (b) irrelevant
    (c) subjective
    (d) objective

    Answer: (c)

99. Theory has to be corroborated by _____ proof providing material comforts.
    (a) intangible
    (b) transparent
    (c) tangible
    (d) unique

    Answer: (c)

100. The frontiers of science do not end in knowledge but are _____ to the formation of appliances for actual use.
    (a) implied
    (b) associated
    (c) designated
    (d) extended

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

76	**(c)**	77	**(a)**	78	**(a)**	79	**(d)**	80	**(d)**	81	**(a)**	82	**(d)**	83	**(b)**
84	**(a)**	85	**(c)**	86	**(c)**	87	**(b)**	[illegible]	**(c)**	89	**(c)**	90	**(d)**	91	**(a)**
92	**(a)**	93	**(d)**	94	**(b)**	95	**(d)**	[illegible]	**(b)**	97	**(a)**	98	**(c)**	99	**(c)**
100	**(d)**														