PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 16 August 2017, Shift 2

SSC CGL · 16 August 2017 · 1:15 PM - 2:15 PM

83 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: 17 (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 16 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-1-16-aug-shift-2/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Banana : Fruit : : Ginger : ?

(a) Root
(b) Fruit
(c) Flower
(d) Stem

Answer: (d)

2. In the following question, select the related letters from the given alternatives. JPSW : LQUX : : MRFT : ?

(a) OTVG
(b) OGTU
(c) OSHU
(d) OPQR

Answer: (c)

3. In the following question, select the related number from the given alternatives. 65 : 82 : : 145 : ?

(a) 165
(b) 168
(c) 169
(d) 170

Answer: (d)

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

(a) Trees
(b) Leaves
(c) Flower
(d) Stem

Answer: (a)

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

(a) CEF

(b) LNO

(c) RTU

(d) GIK

Answer: (d)

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

(a) 49 – 64

(b) 576 – 729

(c) 441 – 484

(d) 100 – 121

Answer: (b)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Waste 2. Wrong 3. Witty 4. Worcester 5. Warlike

(a) 51324

(b) 13452

(c) 51342

(d) 15342

Answer: (c)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. A, C, F, H, K, ?

(a) M

(b) N

(c) L

(d) O

Answer: (a)

9. In the following question, select the missing number from the given series. 1, 3, 6, 10, 15, ?

(a) 20

(b) 21

(c) 22

(d) 24

Answer: (b)

10. In a row of people Manu is 7th from bottom end of row. Shrey is 10 ranks above Manu. If Shrey is 8th from top end, then how many people are there in this row?

(a) 25

(b) 26

(c) 24

(d) 23

Answer: (c)

11. Seven years ago, the age of Sahil was equal to the present age of Nihal. Sum of Sahil's age 5 year ago and Nihal's age 6 years later is 58 years. If Ruchi is 4 years elder to Sahil, then what will be Ruchi's age (in years) after 10 years?

(a) 38

(b) 46

(c) 42

(d) 36

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. Representation

(a) Paint

(b) Senator

(c) Trees

(d) Strict

ENROLL NOW
READ THEIR STORIES !

Answer: (d)

13. In a certain code language, "TROUPE" is written as "GILFKV" and "ERUPTION" is written as "VIFKGRLM". How is "GENIUS" written in that code language?

(a) TVMRFH

(b) TVMRGH

(c) VIKRGH

(d) TUVHRH

Answer: (a)

14. If "α" denotes "subtracted from", "β" denotes "multiplied by", "θ" denotes "added to" and "δ" denotes "divided by", then 10 θ 8 β 4 δ 8 α 9 = ?

(a) 7

(b) 5

(c) 9

(d) 11

Answer: (b)

18. In each of 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 commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. Some girls are clever. II. All clever are hardworking. Conclusions: I. Some girls are not hardworking. II. Some girls are hardworking. III. Some hardworking are not girls.

(a) Only conclusion (I) and (II) follow.

(b) Only conclusion (II) follows.

(c) Only conclusion (I) and (III) follow.

(d) All conclusions follow.

Answer: (b)

General Awareness

26. After which five year plan, 'The Rolling Plan' was implemented?
    (a) Third Plan
    (b) Fifth Plan
    (c) Seventh Plan
    (d) Ninth Plan

    Answer: (b)

27. Which tax causes a burden on the poorer section of the society?
    (a) Direct Tax
    (b) Indirect Tax
    (c) Both Direct and Indirect Tax
    (d) None of these

    Answer: (b)

28. Which article was referred to as the 'the heart and soul' of the constitution by Dr. B. R. Ambedkar?
    (a) Article 4
    (b) Article 32
    (c) Article 28
    (d) Article 30

    Answer: (b)

29. Which of the following provision needs a special majority in Parliament?
    (a) Change in Fundamental Rights
    (b) Creation of New States
    (c) Abolition of Legislative Councils in State
    (d) Rules and Procedures in Parliament

    Answer: (a)

30. Which act ended the "Trade Monopoly" of the East India Company?
    (a) Regulating Act of 1773
    (b) Pitt's India Act of 1784
    (c) The Charter Act of 1833
    (d) The Charter Act of 1813

    Answer: (d)

32. Which of the following state receives rainfall due to western disturbances?
    (a) Punjab
    (b) West Bengal
    (c) Kerala
    (d) Gujarat

    Answer: (a)

33. Why does Western Ghats and Eastern Ghats both receive sufficient rainfall but Deccan Plateau receives scanty rainfall?

(a) It is a rain shadow area

(b) It is located parallel to wind direction

(c) It is away from the coast

(d) Rain bearing clouds are absent

Answer: (a)

34. In which of the following part of the cell does the pyruvic acid is broken down into carbon dioxide, water and energy?

(a) Cytoplasm

(b) Nucleus

(c) Mitochondria

(d) Chloroplast

Answer: (c)

35. What is plant cell wall mainly composed of?

(a) Lipids

(b) Vitamin

(c) Cellulose

(d) Protein

Answer: (a)

36. What is the SI unit of Power?

(a) Boyle

(b) Watt

(c) Newton

(d) Pascal

Answer: (b)

37. Which one of the following is not a type of coal?

(a) Anthracite

(b) Lignite

(c) Peat

(d) Siderite

Answer: (d)

38. Which of the following pair is INCORRECT? I. Parsec - Distance II. Barrel - Liquid III. Light year - Time

(a) Only III

(b) Only I and III

(c) Only II

(d) All are correct

Answer: (a)

39. What is the name of the first Super Computer of the world?
    (a) CDC 6600
    (b) USENET
    (c) COMODOR VIC/20
    (d) PARAM-10000

    Answer: (a)

40. Fog, clouds, mist are examples of _____.
    (a) Aerosol
    (b) Solid sol
    (c) Foam
    (d) Gel

    Answer: (a)

41. Which of the following is a chemical formula of quicklime?
    (a) Ca2O
    (b) Ca2CO3
    (c) CaO2
    (d) CaO

    Answer: (d)

42. Who was the pioneer of Chipko movement of 197
    (a) Sambaji
    (b) Baba Amte
    (c) Sunderlal Bahuguna
    (d) Medha Patkar

    Answer: (c)

43. 'Pradhan Mantri Digital Saksharta Abhiyan' is launched to digitally literate 6 crore rural households by _____.
    (a) March, 2019
    (b) March, 2020
    (c) April, 2021
    (d) March, 2022

    Answer: (a)

44. Edward Jenner discovered vaccine for which of the following disease?
    (a) Polio
    (b) Tuberculosis
    (c) Small Pox
    (d) Rabies

    Answer: (c)

45. In 2017 Australian Open, Serena Williams defeated her sister Venus Williams to win the _____ Grand Slam Singles title of her career.

(a) 23rd
(b) 18th
(c) 26th
(d) 20th

Answer: (a)

46. Which Indian state hosted the 3 days long 'International Yoga Fest' held from 8th to 10th March, 2017?

(a) Uttar Pradesh
(b) Madhya Pradesh
(c) Maharashtra
(d) Delhi

Answer: (d)

47. Who was awarded with the Filmfare Lifetime Achievement Award for the year 2017?

(a) Yash Chopra
(b) Kamini Kaushal
(c) Shatrughan Sinha
(d) Moushumi Chatterjee

Answer: (c)

48. Who is the author of ‘The Windfall’?

(a) Manmohan Singh
(b) Amitav Ghosh
(c) Diksha Basu
(d) Arundhati Roy

Answer: (c)

49. Which country will host the 9th BRICS Summit in the year 2017?

(a) Brazil
(b) Russia
(c) India
(d) China

Answer: (d)

50. With which country has India signed an agreement for assistance in green and sustainable construction of infrastructure in the Himalayan Kingdom in December, 2016?

(a) Nepal
(b) Afghanistan
(c) Bhutan
(d) Pakistan

Answer: (c)

Quantitative Aptitude

51. For what value of X, 211X will be a perfect square?

(a) 4

(b) 5

(c) 6

(d) 9

Answer: (c)

52. 2 men or 3 women can complete a job in 96 days. Then 6 men and 7 women will complete the same job in how many days?

(a) 18

(b) 27

(c) 20

(d) 24

Answer: (a)

53. If the radius of the cylinder is decreased by 20%, then by how much percent the height must be increased, so that the volume of the cylinder remains same?

(a) 20

(b) 36.25

(c) 56.25

(d) 65

Answer: (c)

54. The marked price of an article is 40% more than its cost price. If 15% discount is given on the marked price, then what will be the profit percentage?

(a) 25

(b) 15

(c) 21

(d) 19

Answer: (d)

55. Three partners A, B and C share profit such that three times the share of A is equal to two times the share of B and equal to 12 times the share of C. What is the ratio of the profits of A, B and C respectively?

(a) 3 : 2 : 12

(b) 12 : 2 : 3

(c) 4 : 6 : 1

(d) 1 : 6 : 4

Answer: (c)

56. The average of 8 consecutive natural numbers is 38.5. What is the largest of these 8 numbers?

(a) 41

(b) 39

(c) 42

(d) 45

Answer: (c)

57. If the cost price of 48 articles is equal to the selling price of 32 articles, then what is the profit percentage?

(a) 20

(b) 25

(c) 50

(d) 75

Answer: (c)

58. After deducting 12% from a certain sum and then deducting 25% from the remainder, 2508 is left, then what is the initial sum?

(a) 3500

(b) 3450

(c) 3970

(d) 3800

Answer: (d)

59. Two trains are moving in the opposite direction [illegible] speed of 30 km/hr and 45 km/hr respectively, whose lengths are 450 m and 550 m respe[illegible]ely. [illegible]at is the time taken (in seconds) by slower train to cross the faster train?

(a) 48

(b) 54

(c) 62

(d) 72

Answer: (a)

60. A person lent certain sum of money at 10% per annum simple interest. In 20 years the interest amounted to Rs 500 more than the sum lent. What was the sum lent (in Rs)?

(a) 200

(b) 500

(c) 1000

(d) 250

Answer: (b)

62. If $x^2 + (1/x^2) = 31/9$ and $x > 0$, then what is the value of $x^3 + (1/x^3)$?
    (a) 70/9
    (b) 154/27
    (c) 349/27
    (d) 349/7
    Answer: (b)

64. If $x - (1/x) = 3$, then what is the value of $(2x^4 + 3x^3 + 13x^2 - 3x + 2) / (3x^4 + 3)$?
    (a) 1/3
    (b) 2/3
    (c) 4/3
    (d) 5/3
    Answer: (c)

67. ΔPQR has sides PQ and PR measuring 983 and 893 units respectively. How many such triangles are possible with all integral sides?
    (a) 1876
    (b) 90
    (c) 1785
    (d) 1786
    Answer: (c)

69. What is the simplified value of $\sec^6 A - \tan^6 A - \sec^2 A \tan^2 A$?
    (a) –1
    (b) 0
    (c) 1
    (d) sec A tan A
    Answer: (c)

70. What is the simplified value of $(\operatorname{cosec} A - \sin A)(\sec A - \cos A)(\tan A + \cot A)$?
    (a) –1
    (b) 0
    (c) 1
    (d) 2
    Answer: (c)

71. What is the simplified value of $(\cos^4 A - \sin^4 A)$?
    (a) 0
    (b) $2\cos^2 A$
    (c) cos 2A
    (d) 1
    Answer: (c)

72. How many runs has the player scored against Pakistan?

(a) 272

(b) 192

(c) 256

(d) 144

Answer: (b)

73. The difference between the runs scored against England and Pakistan is same as the difference between which of the following two countries?

(a) South Africa and Sri Lanka

(b) South Africa and New Zealand

(c) Australia and Sri Lanka

(d) Australia and New Zealand

Answer: (d)

74. What is the difference in runs scored by the player against Australia and Sri Lanka?

(a) 256

(b) 128

(c) 114

(d) 80

Answer: (a)

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'. The CEO only discussed (1)/ the new venture (2)/ with his manager. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (a)

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'. If she was marrying Mr. Gupta (1)/ she would have been (2)/ recognized as Mrs. Gupta. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

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. Ankita is disgusted _____ the habit of her brother.

(a) at

(b) on

(c) of

(d) with

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. Due to the security reasons we were _____ from entering into the cockpit of the plane.

(a) denied

(b) rejected

(c) stopped

(d) warned

Answer: (c)

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

(a) Clear

(b) Dull

(c) High

(d) Rare

Answer: (c)

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

(a) Angry

(b) Injure

(c) Risk

(d) Serene

Answer: (c)

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

(a) Belittle

(b) Courteous

(c) Fervent

(d) Uncouth

Answer: (b)

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

(a) Ardent

(b) Indifferent

(c) Prohibit

(d) Merciless

Answer: (a)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Damp squib

(a) Complete failure

(b) Complete knowledge

(c) To motivate

(d) To squander money

Answer: (a)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Rise like a phoenix

(a) Something memorable

(b) Time to answer for one's action

(c) To become successful again

(d) To make people happy

Answer: (c)

86. Improve the bracketed part of the sentence. The mobile phones have made digital cameras a little (superfluous) in today's world.

(a) extinct

(b) obsolete

(c) redundant

(d) No improvement

Answer: (b)

87. Improve the bracketed part of the sentence. If (you will approach) her sincerely, she will listen to your problem definitely.

(a) you approach

(b) you are approaching

(c) you will be approaching

(d) No improvement

Answer: (a)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. That which is away from centre

(a) Eccentric

(b) Eclectic

(c) Ellipsis

(d) Equine

Answer: (a)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One who values practicality

(a) Apotheosis

(b) Pliable

(c) Pragmatist

(d) Realist

Answer: (c)

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

(a) Pedestrain

(b) Plaintiff

(c) Potatoes

(d) Potassium

Answer: (a)

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

(a) Fabulous

(b) Gorgeous

(c) Heterogeneous

(d) Inocuous

Answer: (d)

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- A sensitive mind easily absorbs the vibrations emanating from the thought of the people it associates with. Q- We often say that a person is known by the company he keeps. R- The violent can be made calm by exuding thought of love and compassion. S- Visits to holy places are considered good because the good thoughts of the holy people gathered there and the ensuing vibrations definitely affect one in a positive fashion.

(a) RQPS

(b) QRSP

(c) PQRS

(d) SRQP

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- Epistemological idealists (such as Kant) might insist that the only things which can be directly known for certain are ideas. Q- The approach to idealism by Western philosophers has been different to that of Eastern thinkers. R- In much of Western thought (though not in such major Western thinkers as Plato and Hegel) the ideal relates to direct knowledge of subjective mental ideas, or images. S- It is then usually juxtaposed with realism in which the real is said to have absolute existence prior to and independent of our knowledge.

(a) RQPS

(b) PQSR

(c) PRQS

(d) QRSP

Answer: (d)

94. In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice. Karnataka grows coffee

(a) Coffee is being grown in Karnataka.

(b) Coffee grown in Karnataka.

(c) Coffee is grown in Karnataka.

(d) Let the coffee be grown in Karnataka.

Answer: (c)

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. Gopal's mother reminded him to take his wallet.

(a) “Are you going to take your wallet or not?” said Gopal to his mother.

(b) “Don't forget to take your wallet, Gopal” said his mother.

(c) Gopal's mother said, “Remember your wallet, Gopal?

(d) “Here is your wallet Gopal” said his mother.

Answer: (b)

Passage — for questions 96–100

> In the following questions, 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. Organization are institutions in which members compete for status and _____. They _____ for the resources of the organization, for example, _____ to expand their own departments, for _____ advancement and for power to _____ the activities of others.

96. Organization are institutions in which members compete for status and _____.

(a) growth

(b) money

(c) power

(d) success

Answer: (c)

97. They _____ for the resources
    (a) compete
    (b) expand
    (c) rely
    (d) run
    Answer: (a)

98. of the organization, for example, _____ to expand
    (a) finance
    (b) infrastructure
    (c) resources
    (d) source
    Answer: (a)

99. their own departments, for _____ advancement and
    (a) career
    (b) financial
    (c) regional
    (d) technological
    Answer: (a)

100. for power to _____ the activities of others.
    (a) affect
    (b) control
    (c) curb
    (d) pursue
    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	**(c)**	3	**(d)**	4	**(a)**	5	**(d)**	6	**(b)**	7	**(c)**	8	**(a)**
9	**(b)**	10	**(c)**	11	**(b)**	12	**(d)**	13	**(a)**	14	**(b)**	18	**(b)**		

General Awareness

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

Quantitative Aptitude

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

English Comprehension

76	**(a)**	77	**(b)**	78	**(a)**	79	**(c)**	80	**(c)**	81	**(c)**	82	**(b)**	83	**(a)**
84	**(a)**	85	**(c)**	86	**(b)**	87	**(a)**	88	**(a)**	89	**(c)**	90	**(a)**	91	**(d)**
92	**(a)**	93	**(d)**	94	**(c)**	95	**(b)**	96	**(c)**	97	**(a)**	98	**(a)**	99	**(a)**
100	**(b)**														