PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 9 August 2017, Shift 2

SSC CGL · 9 August 2017 · 1:15 PM - 2:15 PM

86 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: 14 (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, 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-1-9-aug-shift-2/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Calendar : Date : : Index : ?

(a) Name of Author

(b) Glossary

(c) Contents

(d) Summary

Answer: (c)

2. In the following question, select the related number from the given alternatives. ACOUSTIC : 91 : : RENOUNCE : ?

(a) 95

(b) 99

(c) 105

(d) 109

Answer: (a)

3. In the following question, select the related number from the given alternatives. 243 : 819 : : 163 : ?

(a) 487

(b) 563

(c) 572

(d) 593

Answer: (a)

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

(a) Badminton

(b) Table Tennis

(c) Cricket

(d) Hockey

Answer: (a)

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

(a) ACFJ

(b) RTWA

(c) NPSV

(d) HJMQ

Answer: (c)

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

(a) (4, 16, 48)

(b) (6, 36, 90)

(c) (8, 64, 160)

(d) (12, 144, 360)

Answer: (a)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Decollete 2. Desecrate 3. Decorous 4. Desipicable 5. Destitute

(a) 13245

(b) 15243

(c) 32451

(d) 45231

Answer: (a)

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? a _ bc _ a _ bcd[illegible]c _ da _ cd _

(a) acbddb

(b) adbcbd

(c) cabddc

(d) ddcbbc

Answer: (b)

9. In the following question, select the missing number from the given series. 1357, 3085, 5282, 8026, ?

(a) 9961

(b) 10441

(c) 11321

(d) 11401

Answer: (d)

10. 5 year hence, ratio of ages of A and B will be 7 : 5 and difference between their ages will be 4 years. What are present ages (in years) of A and B respectively?

(a) 5, 9

(b) 6, 5

(c) 9, 5

(d) 9, 6

Answer: (c)

11. From a point, Lokesh starts walking towards south and after walking 30 metres he turns to his right and walks 20 metres, then he turns right again and walks 30 metres. He finally turns to his left and walk 40 metres. In which direction is he with reference to the starting point?

(a) North-West

(b) East

(c) West

(d) South

Answer: (c)

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

(a) CONE

(b) CYCLE

(c) NOISY

(d) PEACE

Answer: (c)

13. In a certain code language, "RAIN" is written as "OHBQ". How is "SUMMER" written in that code language?

(a) QFLNTT

(b) QDLLTR

(c) SFNNVT

ENROLL NOW
READ THEIR STORIES !

(d) SDNLVR

Answer: (d)

14. In the following question, correct the given equation by interchanging two numbers. 8 x 3 ÷ 4 + 9 – 5 = 16

(a) 3 and 4

(b) 4 and 8

(c) 5 and 3

(d) 5 and 9

Answer: (c)

15. If (2)# * 4 = 2 and (4)# * 4 = 16, then what is the value of A in (6)# * A = 18?

(a) 12

(b) 14

(c) 16

(d) 20

Answer: (a)

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 commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. All rackets are bats. II. All bats are wickets. Conclusions: I. Some wickets are rackets. II. All wickets are rackets.

(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 an industry is dominated by a single seller?

(a) Oligopoly

(b) Monopoly

(c) Duopoly

(d) Monopolistic Competition

Answer: (b)

27. Which one of the following is also regarded as Disguised unemployment?

(a) Underemployment

(b) Frictional unemployment

(c) Seasonal unemployment

(d) Cyclical unemployment

Answer: (a)

28. Which of the following are constituents of Indian Parliament? (i) The President (ii) The Council of States (Rajya Sabha) (iii) The House of the People (Lok Sabha)

(a) (ii) and (iii)

(b) (i) and (ii)

(c) (i) and (iii)

(d) (i), (ii) and (iii)

Answer: (d)

29. Who among the following is the executive head of state in India?

(a) Prime Minister

(b) President

(c) Cabinet Secretary

(d) Finance Secretary

Answer: (b)

30. Who built the Konark''s Sun Temple?
    (a) Anantavarman Chodaganga Deva
    (b) Narasimhadeva I
    (c) Kapilendra Deva Routaray
    (d) Purushottam Dev

    Answer: (b)

31. Who was the first Governor General of Bengal?
    (a) Robert Clive
    (b) William Bentick
    (c) Warren Hastings
    (d) Charles Cornawallis

    Answer: (c)

32. Amazon river flows through which of the following country?
    (a) USA
    (b) France
    (c) Brazil
    (d) Canada

    Answer: (c)

33. What is the other name of Sahyadri Range?
    (a) Lesser Himalayas
    (b) Shivaliks
    (c) Western Ghats
    (d) Eastern Ghats

    Answer: (c)

34. Who discovered bacteria?
    (a) Antonie Ven Leeuwenhoek
    (b) Robert Brown
    (c) Robert Hook
    (d) Robert Koch

    Answer: (a)

35. What is the name of a group of similar cells performing a specific function?
    (a) Tissue
    (b) Organ
    (c) Organ system
    (d) Cellular organization

    Answer: (a)

36. Plant tissues are of how many types?
    (a) 3
    (b) 2
    (c) 5
    (d) 6

    Answer: (a)

37. It is difficult to fix a nail on a freely suspended wooden frame. Which law supports this statement?
    (a) Law of inertia
    (b) Newton's second law
    (c) Newton's third law
    (d) Pascal's law

    Answer: (c)

38. Which one of the following is not a property of electromagnetic waves?
    (a) Electromagnetic waves do not show interference and diffraction.
    (b) Oscillating electric field and magnetic field are perpendicular to each other.
    (c) Electromagnetic waves are transverse waves
    (d) Electromagnetic waves do not require a medium to propagate.

    Answer: (a)

39. What is a bug in computer terminology?
    (a) A virus
    (b) A program
    (c) An error in program
    (d) Magnetic disk storage device

    Answer: (c)

40. A radio-active substance has a half life of six months. Three-fourth of the substance will decay in _____.
    (a) Six months
    (b) Ten months
    (c) Twelve Months
    (d) Twenty four months

    Answer: (c)

41. pH of the human blood is _____.
    (a) Slightly Acidic
    (b) Highly Acidic
    (c) Slightly Basic
    (d) Highly Basic

    Answer: (c)

42. In which city is the Forest Research Institute of India located?
    (a) New Delhi
    (b) Hyderabad
    (c) Dehradun
    (d) Shimla
    Answer: (c)

43. Deen Dayal Rasoi Yojana to provide food at only Rs. 5 has been launched on 6th April, 2017 by which state?
    (a) Chattisgarh
    (b) Haryana
    (c) Madhya Pradesh
    (d) Uttar Pradesh
    Answer: (c)

44. What was invented by Zacharias Jansen?
    (a) Jet Engine
    (b) Radium
    (c) Microscope
    (d) Electric Lamp
    Answer: (c)

45. In which of the following game, ball is not used?
    (a) Football
    (b) Cricket
    (c) Badminton
    (d) Tennis
    Answer: (c)

47. Who has won the 'Miss Universe 2016' title?
    (a) Pia Wurtzbach
    (b) Iris Mittenaere
    (c) Raquel Pellissier
    (d) Andrea Tova
    Answer: (b)

48. Who is the author of the book titled 'Numbers Do Lie'?
    (a) Anil Menon
    (b) Akash Chopra
    (c) Ian Chapell
    (d) Kunal Basu
    Answer: (b)

49. Who has been appointed as the Secretary General of the United Nations in January, 2017?
    (a) Ban Ki-Moon
    (b) Kofi Annan
    (c) Boutros-Boutros Ghali
    (d) Antonio Guterres

    Answer: (d)

50. India has longest international border with which country?
    (a) Bhutan
    (b) Nepal
    (c) Bangladesh
    (d) Pakistan

    Answer: (c)

Quantitative Aptitude

51. How many numbers are there from 700 to 950 (including both) which are neither divisible by 3 nor by 7?
    (a) 107
    (b) 141
    (c) 144
    (d) 145

    Answer: (c)

52. A can complete a work in 20 days and [illegible] c[illegible]plete the same work in 25 days. If both of them work together, then in 3 days what perc[illegible] [illegible]he total work will be completed?
    (a) 9
    (b) 12
    (c) 25
    (d) 27

    Answer: (d)

53. The length of two parallel sides of a trapezium are 18 m and 24 m. If its height is 12 m, then what is the area (in m2) of the trapezium ?
    (a) 126
    (b) 252
    (c) 504
    (d) 1024

    Answer: (b)

54. If two successive discounts of 50% and 10% are offered, then what is the net discount (in %)?

(a) 50

(b) 55

(c) 60

(d) 65

Answer: (b)

55. Three bottles of equal capacity containing mixture of milk and water in ratio 2 : 5, 3 : 4 and 4 : 5 respectively. These three bottles are emptied into a large bottle. What will be the ratio of milk and water respectively in the large bottle?

(a) 73 : 106

(b) 73 : 116

(c) 73 : 113

(d) 73 : 189

Answer: (b)

56. The average age of 6 members of a family is 20 years. If the age of the servant is included, then the average age increase by 25%. What is the age (in years) of the servant?

(a) 30

(b) 35

(c) 50

(d) 55

Answer: (d)

57. For an article the profit is 190% of the cost price. If the cost price increase by 10% but the selling price remains same, then profit is what percent of selling price (approximately)?

(a) 54

(b) 62

(c) 70

(d) 163

Answer: (b)

58. A, B and C are three students. A got 18% more marks than B and 12% less than C. If B got 220 marks, then how much marks C has got?

(a) 230

(b) 295

(c) 240

(d) 290

Answer: (b)

59. Two people A and B are at a distance of 260 km from each other at 9:00 a.m. A immediately starts moving towards B at a speed of 25 km/h and at 11:00 a.m. B starts moving towards A at a speed of 10 km/hr. At what time (in p.m.) will they meet each other?

(a) 5:00

(b) 6:00

(c) 6:30

(d) 7:00

Answer: (a)

60. If Rs 2500 becomes to Rs 2970.25 in 2 years at compound interest compounded annually, then what is the yearly rate of interest (in %)?

(a) 7

(b) 9

(c) 11

(d) 13

Answer: (b)

61. If (1/x) + (1/y) + (1/z) = 0 and x + y + z = 9, then what is the value of x3 + y3 + z3 – 3xyz?

(a) 81

(b) 361

(c) 729

(d) 6561

Answer: (c)

62. If x4 + (1/x4) = 34, then what is the val[illegible]f x3 [illegible]1/x3)?

(a) 0

(b) 6

(c) 8

(d) 14

Answer: (d)

63. If x = 1 – y and x2 = 2 – y2, then what is the value of xy?

(a) 1

(b) 2

(c) –1/2

(d) –1

Answer: (c)

64. If x + [1/(x + 7)] = 0, then what is the value of x – [1/(x + 7)]?

(a) 3√5

(b) 3√5 – 7

(c) 3√5 + 7

(d) 8

Answer: (b)

66. PQRS is a cyclic quadrilateral and PQ is the diameter of the circle. If ∠RPQ = 38°, then what is the value (in degrees) of ∠PSR?

(a) 52

(b) 77

(c) 128

(d) 142

Answer: (c)

67. Smaller diagonal of a rhombus is equal to length of its sides. If length of each side is 6 cm, then what is the area (in cm2) of an equilateral triangle whose side is equal to the bigger diagonal of the rhombus?

(a) 18√3

(b) 27√3

(c) 32√3

(d) 36√3

Answer: (b)

69. What is the simplified value of (sec A + cos A)(sec A – cos A)?

(a) 2 tan2 A

(b) 2 sin2 A

(c) sin2 A tan2 A

(d) sin2 A + tan2 A

Answer: (d)

72. If the total population of City 4 is 6000[illegible] ther[illegible] w many literate people are there in city 4?

(a) 480000

(b) 378000

(c) 468000

(d) 348000

Answer: (b)

73. Total population of City 6 is 200000 and the total population of City 2 is 220000. What is the respective ratio of literate males of City 2 and literate females of City 6?

(a) 348 : 595

(b) 255 : 199

(c) 595 : 348

(d) 199 : 255

Answer: (c)

74. If there are 259210 literate females in City 5, then what is the total population of City 5?

(a) 644000

(b) 354200

(c) 690000

(d) 483000

Answer: (a)

75. The population of the 6 cities are 250000, 200000, 220000, 300000, 150000 and 400000 respectively. Which is the correct order of the number of literate people in these cities?

(a) City 6 > City 1 > City 4 > City 2 > City 3 > City 5

(b) City 4 > City 6 > City 1 > City 2 > City 3 > City 5

(c) City 6 > City 4 > City 1 > City 3 > City 2 > City 5

(d) City 6 > City 1 > City 4 > City 3 > City 2 > City 5

Answer: (d)

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 Tata group owns (1)/ many industries, that are spread (2)/ across the globe. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

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 optic If a sentence is free from error, select 'No Error'. She has not been (1)/ to the restaurant (2)/ mu ate. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

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. He could excel in his board exams only after _____ very hard.

(a) continuing

(b) functioning

(c) learning

(d) toiling

Answer: (d)

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. He _____ his camera on the table.

(a) laid

(b) lain

(c) lay

(d) lie

Answer: (a)

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

(a) Dull

(b) Timid

(c) Unfriendly

(d) Lusty

Answer: (a)

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

(a) Baffling

(b) Enticing

(c) Directing

(d) Soothing

Answer: (a)

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

(a) Epic

(b) Rust

(c) Teeny

(d) Vast

Answer: (c)

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

(a) Adulation

(b) Ignominy

(c) Mystical

(d) Preclude

Answer: (a)

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

(a) Avoid

(b) Contentment

(c) Amazed

(d) Unsystematically

Answer: (c)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Not to mince matters

(a) To be at ease

(b) To not confuse others

(c) To not interfere in others affairs

(d) To speak out politely

Answer: (d)

86. Improve the bracketed part of the sentence. The doctor (has advice) him to take proper diet.

(a) has advised

(b) had been advised

(c) was advised

(d) No improvement

Answer: (a)

87. Improve the bracketed part of the sentence. (Being a pleasant evening), we went out for a long drive on a highway.

(a) As a pleasant evening

(b) It being a pleasant evening

(c) With a pleasant evening

(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. A roundabout way of speaking

(a) Centipede

(b) Circumlocution

(c) Coercion

(d) Concentric

Answer: (b)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. An old unmarried woman

(a) Masochist

(b) Septuagenarian

(c) Sniper

(d) Spinster

Answer: (d)

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

(a) Autumn

(b) Desperate

(c) Reciept

(d) Traffic

Answer: (c)

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

(a) Century

(b) Finance

(c) Remember

(d) Sponser

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- However, our environment also need some help from all of us to get maintained as usual to nourish our lives forever and to never ruin our lives. Q- It gives us all things which we need to live our life on this planet. R- It provides us better medium to grow and develop. S- An environment includes all the natural resources which surround us to help in number of ways

(a) PQRS

(b) QPSR

(c) SRQP

(d) QSPR

Answer: (c)

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- The starting point can be the experience of a minority within society generally or even the experience of a group of people within a progressive social movement which does not live up to its progressive agenda in every respect. Q- Within (or after) postmodernism a grand unifying theory no longer seems possible. This does not exclude the possibility or the necessity of dialogue. R- The starting points of social criticism can be very different and the different forms of socialism never has a monopoly on Social Criticism. S- Nevertheless most social critics still consider the Critique of capitalism to be central.

(a) PRQS

(b) RPQS

(c) RQPS

(d) PSRQ

Answer: (b)

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. Rohan was not told about the e-mail.

(a) Nobody told Rohan about the e-mail.

(b) Somebody did not tell Rohan about the e-mail

(c) The e-mail was not told about to Rohan.

(d) There was nobody who could tell Rohan about the e-mail.

Answer: (a)

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. Ram said to Rohan, "Don't run so fast."

(a) Ram advised Rohan don't run so fast.

(b) Ram asked Rohan why is he running so fast.

(c) Ram requested Rohan not to run so fast.

(d) Ram told Rohan not to run so fast.

Answer: (d)

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. Language, they say, is the _____ through which human beings perceive the world. If so, English is perhaps the most _____ lens through which to see animals. It has _____ a cross eyed view of birds, beasts, fish and fowl. The very word “animal” can _____ the brutish and the sensual. Animal _____ imply baseness and vulgarity.

96. Language, they say, is the _____ through which human beings perceive the world.

(a) lens

(b) resource

(c) source

(d) telescope

Answer: (a)

97. If so, English is perhaps the most _____ lens through which to see animals.

(a) distorting

(b) disturbing

(c) popular

(d) useful

Answer: (a)

98. It has _____ a cross eyed view of birds, beasts, fish and fowl.

(a) accompanied

(b) exercised

(c) perpetuated

(d) undeterred

Answer: (c)

99. The very word "animal" can _____ the brutish and the sensual.
    (a) connote
    (b) rectify
    (c) trouble
    (d) understand
    Answer: (a)

100. Animal _____ imply baseness and vulgarity.
    (a) breeding
    (b) gestures
    (c) instincts
    (d) species
    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	**(a)**	3	**(a)**	4	**(a)**	5	**(c)**	6	**(a)**	7	**(a)**	8	**(b)**
9	**(d)**	10	**(c)**	11	**(c)**	12	**(c)**	13	**(d)**	14	**(c)**	15	**(a)**	18	**(a)**

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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