PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 11 August 2017, Shift 3

SSC CGL · 11 August 2017 · 4:15 PM - 5:15 PM

85 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: 15 (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 11 August 2017, 4:15 PM - 5:15 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-1-11-aug-shift-3/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Ampere : Electric current : : Fathom : ?

(a) Depth of Water

(b) Frequency

(c) Sound level

(d) Work or energy

Answer: (a)

2. In the following question, select the related number from the given alternatives. AKP : 1121256 : : LNO : ?

(a) 196125144

(b) 144196225

(c) 144225196

(d) 41521196

Answer: (b)

3. In the following question, select the related number pair from the given alternatives. 534 : 2 : : ? : ?

(a) 102 : 9

(b) 553 : 6

(c) 884 : 2

(d) 999 : 2

Answer: (d)

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

(a) Baseball

(b) Football

(c) Hockey

(d) Snooker

Answer: (d)

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

(a) BOH

(b) ERK

(c) HUO

(d) KXQ

Answer: (c)

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

(a) 145

(b) 463

(c) 581

(d) 651

Answer: (b)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Clocklipe 2. Cloddier 3. Clodpates 4. Clodpolls 5. Clockwise

(a) 15234

(b) 23154

(c) 24315

(d) 51234

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? efg _ _ eff _ gh[illegible] _ eff _ gggh _ h

(a) eghhfe

(b) ghhhh

(c) hegefh

(d) hgefhe

Answer: (c)

9. In the following question, select the missing number from the given series. 5, 13, 40, 104, ?

(a) 229

(b) 239

(c) 259

(d) 269

Answer: (a)

10. The ratio of the present ages of Aman and Ankit is 2 : 1 and the sum of their present ages is 72 years. What will be the Aman's age (in years) after 6 years?

(a) 30

(b) 48

(c) 52

(d) 54

Answer: (d)

11. There are five girls - R, S, T, P and Q sitting in a row facing north. T is sitting exactly in the middle of the row. Q is sitting to the immediate right and immediate left of P and T respectively. S is not sitting at the extreme end. Who is sitting third to the left of R?

(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. ERADICATE

(a) AREA

(b) CARE

(c) DICE

(d) TASTE

Answer: (d)

13. In a certain coded language, 'hit ka tom' is written as 'tie the shoes', 'ka lo fod' is written as 'shoes of leather' and 'lo tin lot' is written as 'leather and raxin'. How is 'of' written in this code language?

(a) fod

(b) ka

(c) lo or fod

(d) tin

Answer: (a)

14. If "–" means "added to", "+" means "divided by", "÷" means "multiplied by", "x" means "subtracted from", then 13 + 12 x 9 ÷ 3 – 6 = ?

(a) –117/11

(b) 117/11

(c) –237/12

(d) –239/12

Answer: (d)

15. If 6 @ 4 @ 7 = 101 and 2 @ 5 @ 11 = 150, then what is the value of A in A @ 8 @ 9 = 289?

(a) 5

(b) 8

(c) 12

(d) 17

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

(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. Courier service comes under which sector?

(a) Primary

(b) Secondary

(c) Tertiary

(d) Both Secondary and Tertiary

Answer: (c)

27. Which among the following is not a direct tax?

(a) Income tax

(b) Wealth tax

(c) Corporate tax

(d) None of these

Answer: (d)

28. Which of the following is justiciable in nature?

(a) Fundamental Duties

(b) Directive principles of state policy

(c) Fundamental Rights

(d) None of these

Answer: (c)

29. Which of the following Amendments is also known as the 'Mini Constitution' of India?

(a) 7th Amendment

(b) 42nd Amendment

(c) 44th Amendment

(d) 74th Amendment

Answer: (b)

31. In which battle was Siraj ud–Daulah defeated by Lord Clive?
    (a) Battle of Plassey
    (b) Battle of Buxer
    (c) Battle of Panipat
    (d) Battle of Haldighati

    Answer: (a)

32. Alps mountain range is located in which continent?
    (a) Europe
    (b) North America
    (c) South America
    (d) Africa

    Answer: (a)

33. What is the full form of ITCZ?
    (a) Inter tropical converter zone
    (b) Inter tropical convergence zone
    (c) Inter tropical centre zone
    (d) None of these

    Answer: (b)

34. Which among the following does not have a cell wall?
    (a) Euglena
    (b) Paramecium
    (c) Gonyaulax
    (d) Mycoplasma

    Answer: (d)

35. Which among the following is also called as 'power house of the cell'?
    (a) Plastids
    (b) Mitochondria
    (c) Golgi bodies
    (d) Cell wall

    Answer: (b)

36. What is the role of Pneumatophores?
    (a) Protect plant from animals
    (b) Get oxygen for respiration
    (c) Supports plant in standing upright
    (d) Helps plant for pollination

    Answer: (b)

37. Which among the following determines the pitch of a sound?
    (a) Amplitude
    (b) Frequency
    (c) Loudness
    (d) Wavelength

    Answer: (b)

38. Which phenomena shows the particle nature of light?
    (a) Diffraction
    (b) Interference
    (c) Photoelectric effect
    (d) Polarisation

    Answer: (c)

39. Who is called as 'Father of Modern Computer'?
    (a) Alexander Fleming
    (b) Bill Gates
    (c) Micheal Faraday
    (d) Charles Babbage

    Answer: (d)

40. What is the common name of CaOCl2?
    (a) Baking Powder
    (b) Baking Soda
    (c) Bleaching Powder
    (d) Washing Soda

    Answer: (c)

42. Which disease is caused by Nickel?
    (a) Itai Itai
    (b) Dermatitis
    (c) Learning disability
    (d) Asthma

    Answer: (b)

43. When was 'Pregnancy Aid Scheme' launched to help pregnant women financially with Rs. 6000?
    (a) 1 December, 2016
    (b) 19 December, 2016
    (c) 31 December, 2016
    (d) 1 January, 2017

    Answer: (c)

44. Who pioneered diagnostic ultrasound?
    (a) Alexander Fleming
    (b) Ian Donald
    (c) A. Laveran
    (d) Robert Koch

    Answer: (b)

45. Which of the following pair is CORRECT? I. Summer Olympics 2020 - Tokyo II. Summer Olympics 2016 - Rio de Janeiro III. Summer Olympics 2012 - London
    (a) Only I and II
    (b) Only I and III
    (c) Only II and III
    (d) All are correct

    Answer: (d)

46. Prime Minister of which country attended the recently organised river festival 'Namami Brahmaputra' in India?
    (a) Bhutan
    (b) China
    (c) Nepal
    (d) Bangladesh

    Answer: (a)

47. Who among the following has been awarded the 'Rajiv Gandhi Khel Ratna Award' for the year 2016?
    (a) Jitu Rai
    (b) Sania Mirza
    (c) Rohit Sharma
    (d) Babita Kumari

    Answer: (a)

48. Who is the author of the book 'Akhada: The Authorized Biography of Mahavir Singh Phogat'?
    (a) Rabi Thapa
    (b) Saurabh Duggal
    (c) Salman Rushdie
    (d) Tana French

    Answer: (b)

49. With which Australian University Indian Railways has signed an agreement for Dedicated Freight Corridor?
    (a) Monash University
    (b) Victoria University
    (c) University of Canberra
    (d) University of Sydney

    Answer: (a)

50. With which neighbouring country of India, Kaladan multi-model transport project has been undertaken?

(a) China

(b) Nepal

(c) Bhutan

(d) Myanmar

Answer: (d)

Quantitative Aptitude

51. If the square of sum of three positive consecutive natural numbers exceeds the sum of their squares by 292, then what is the largest of the three numbers?

(a) 5

(b) 6

(c) 7

(d) 8

Answer: (d)

54. A shopkeeper allows 25% discount on the marked price of an article and he suffered a loss of 15%. What will be the profit percent if the article is sold at marked price?

(a) 11.76

(b) 12.12

(c) 13.33

(d) 14.28

Answer: (c)

55. Three boxes of capacity 24 kg, 36 kg and 84 kg are completely filled with three varieties of wheat A, B and C respectively. All the three boxes were emptied and the three types of wheat were thoroughly mixed and the mixture was put back in the three boxes. How many kg of type A wheat would be there in the third box (in kg)?

(a) 10

(b) 12

(c) 14

(d) 16

Answer: (c)

56. A group of boys has an average weight of 36 kg. One boy weighing 42 kg leaves the group and another boy weighing 30 kg joins the group. If the average now becomes 35.7 kg, then how many boys are there in the group?

(a) 30

(b) 32

(c) 40

(d) 56

Answer: (c)

57. A man gains 15% by selling a calculator for a certain price. If he sells it at the triple the price, then what will be the profit percentage?

(a) 125

(b) 175

(c) 225

(d) 245

Answer: (d)

58. In an election between two candidates, the winning candidate has got 70% of the votes polled and has won by 15400 votes. What is the number of votes polled for loosing candidate?

(a) 38500

(b) 11550

(c) 26950

(d) 13550

Answer: (b)

59. A boat goes 4 km upstream and 4 km downstream in 1 hour. The same boat goes 5 km downstream and 3 km upstream in 55 minutes. What is the speed (in km/hr) of boat in still water?

(a) 6.5

(b) 7.75

(c) 9

(d) 10.5

Answer: (c)

60. Simple Interest received by a person in [illegible] year [illegible] n a principal of Rs 9500 is 130% of the principal. What is the rate of interest (in %) pe[illegible] m?

(a) 12

(b) 13

(c) 15

(d) 19

Answer: (b)

61. For what value of k, the expression x6 – 18×3 + k will be a perfect square?

(a) – 9

(b) – 81

(c) + 9

(d) + 81

Answer: (d)

63. If (x + y + z) = 12, xy + yz + zx = 44 and xyz = 48, then what is the value of x3 + y3 + z3?

(a) 104

(b) 144

(c) 196

(d) 288

Answer: (d)

65. In a triangle PQR, ∠Q = 90°. If PQ = 12 cm and QR = 5 cm, then what is the radius (in cm) of the circumcircle of the triangle?

(a) 5

(b) 6

(c) 6.5

(d) 6√2

Answer: (c)

66. If a chord of a circle subtends an angle of 30° at the circumference of the circle, then what is the ratio of the radius of the circle and the length of the chord respectively?

(a) 1 : 1

(b) 2 : 1

(c) 3 : 1

(d) √2 : 1

Answer: (a)

67. The tangents drawn at points A and B of a circle with centre O, meet at P. If ∠AOB = 120° and AP = 6 cm, then what is the area of triangle (in cm2) APB?

(a) 6√3

(b) 8√3

(c) 9

(d) 9√3

Answer: (d)

68. P is a point outside the circle at distanc[illegible]f 6.5[illegible] from centre O of the circle. PR be a secant such that it intersects the circle at Q and R. I[illegible].5 cm and QR = 3.5 cm, then what is the radius (in cm) of the circle?

(a) 1.5

(b) 2

(c) 2.5

(d) 3

Answer: (c)

69. What is the value of [1/(1 – tan θ)] – [1/(1 + tan θ)]?

(a) tan θ

(b) cot 2θ

(c) tan 2θ

(d) cot θ

Answer: (c)

70. If tan θ + cot θ = x, then what is the value of tan4 θ + cot4 θ?

(a) (x3 – 3)2 + 2

(b) (x4 – 2x) + 4

(c) x(x – 4) + 2

(d) x2(x2 – 4) + 2

Answer: (d)

71. If tan2 θ + cot2 θ = 2, then what is the value of 2sec θ cosec θ?

(a) 0

(b) 1

(c) 2

(d) 4

Answer: (d)

72. What is the percentage increase in education loan disbursed by Bank 2 from 2010 to 2014?

(a) 85.42

(b) 87.69

(c) 89.21

(d) 83.18

Answer: (b)

73. Which banks show a continuous trend of increase [illegible]crease in loan amount disbursed over 5 years?

(a) Bank 1 and Bank 4

(b) Bank 1, Bank 4 and Bank 3

(c) Bank 1, Bank 4 and Bank 5

(d) Bank 4 and Bank 5

Answer: (c)

74. What can be said about the two following ratios? I. Loan amount disbursed by Bank 1 in 2011/ Loan amount disbursed by Bank 2 in 2014 II. Loan amount disbursed by Bank 3 in 2014/ Loan amount disbursed by Bank 4 in 2011

(a) I > II

(b) I < II

(c) I = II

(d) No relation

Answer: (a)

75. Which of the following is the correct order of percentage increase in loan amount disbursed by the given banks from 2010 to 2014?

(a) Bank 3 > Bank 5 > Bank 2 > Bank 1 > Bank 4

(b) Bank 2 > Bank 3 > Bank 5 > Bank 1 > Bank 4

(c) Bank 5 > Bank 2 > Bank 3 > Bank 4 > Bank 1

(d) Bank 2 > Bank 5 > Bank 4 > Bank 3 > Bank 1

Answer: (c)

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'. Ritika decided to get up early (1)/ to wear a nice dress (2)/ and visit her aunt. (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'. The student asked me if (1)/ I knew that Kalidas was the greater (2)/ than any other poet. (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. It is mainly due to Peter's lethargy that the plan fell _____

(a) off

(b) through

(c) in

(d) out

Answer: (b)

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. Mother shall return _____ an hour.

(a) in

(b) after

(c) during

(d) within

Answer: (d)

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

(a) Hesitation

(b) Secret

(c) Impious

(d) Artless

Answer: (b)

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

(a) Lethargy

(b) Offensive

(c) Vaccilating

(d) Grasping

Answer: (a)

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

(a) Misery

(b) Censure

(c) Composure

(d) Dilemma

Answer: (c)

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

(a) Accord

(b) Damage

(c) Complex

(d) Withdraw

Answer: (d)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. A [illegible] ale

(a) Gift

(b) Food

(c) Water

(d) Belongings

Answer: (c)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. At one's wits end

(a) A man of ability

(b) At the last moment

(c) To get puzzled

(d) Undecided controversy

Answer: (c)

86. Improve the bracketed part of the sentence. I had not completed my project so I thought I was (done with) when the manager asked me to hand it in.

(a) done for

(b) done in

(c) done on

(d) No improvement

Answer: (a)

87. Improve the bracketed part of the sentence. Rohan was upset and so (picked up) his food while his cousins ate heartily.

(a) Picked out

(b) Picked on

(c) Picked at

(d) No improvement

Answer: (c)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. To give up a throne voluntarily

(a) Archer

(b) Bigot

(c) Abdicate

(d) Delegate

Answer: (c)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. Words written on the [illegible] of a person

(a) Epigram

(b) Epitome

(c) Epicure

(d) Epitaph

Answer: (d)

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

(a) Accurate

(b) Business

(c) Sedentery

(d) Jewellery

Answer: (c)

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

(a) Chaufer

(b) Committee

(c) Veterinary

(d) Repentance

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- They never desert us even when all fair weather friends have deserted us. Q- Books are never failing friends. R- They dispel the dark clouds of gloom from our minds and increase our happiness if we are already happy. S- Through the ages, the scriptures and other great books have provided, immeasurable solace to the wounded and strife torn humanity.

(a) QRSP

(b) PRSQ

(c) RSPQ

(d) QPRS

Answer: (d)

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- When the robber was near her bed, she stood up suddenly, 'brandishing the knife'. Q- One night the robber did enter her room but Lakshmi did not make any sound. R- She just kept a tight hold of the knife and pretended to be sound asleep. S- The robber was taken aback and with a loud cry, he ran out.

(a) SQRP

(b) PRQS

(c) QRPS

(d) PSQR

Answer: (c)

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. I will write an essay.

(a) An essay will have been written by me.

(b) An essay will be written by me.

(c) An essay has been written by me.

(d) An essay had been written by me.

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. Neha said, "Need I write a letter?"

(a) Neha asked if she have to write a letter.

(b) Neha asked if she had been writing a letter.

(c) Neha asked of writing a letter.

(d) Neha asked if she had to write a letter.

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 quest for a _____ life engrosses every human being on this earth. Everyman tends to define a happy life in a _____ individualistic fashion. _____have attempted to define a happy life in various terms. Hedonists have a _____ notion that happiness lies in the _____ of physical appetites.

96. The quest for a _____ life engrosses every human being

(a) simple

(b) sad

(c) happy

(d) real

Answer: (c)

97. on this earth. Everyman tends to define a happy life in a _____ individualistic fashion.

(a) distinctly

(b) identically

(c) similar

(d) serious

Answer: (a)

98. _____have attempted to define a happy life

(a) Professors

(b) Thinkers

(c) Researchers

(d) Scientists

Answer: (b)

99. in various terms. Hedonists have a _____ notion

(a) complex

(b) distinct

(c) varied

(d) simple

Answer: (d)

100. that happiness lies in the _____ of physical appetites.

(a) gratification

(b) simplification

(c) purification

(d) identification

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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