PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 8 August 2017, Shift 3

SSC CGL · 8 August 2017 · 4:15 PM - 5:15 PM

87 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: 13 (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 8 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-1-8-aug-shift-3/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Vacant : Empty : : Dearth : ?

(a) Descend
(b) Scarcity
(c) Squander
(d) Abundant

Answer: (b)

2. In the following question, select the related letters from the given alternatives. HMPU : IOSY : : GMRF : ?

(a) FKOB
(b) HOUJ
(c) HPUJ
(d) HOJU

Answer: (b)

3. In the following question, select the related number from the given alternatives. 50 : 65 : : 122 : ?

(a) 157
(b) 145
(c) 147
(d) 155

Answer: (b)

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

(a) Venus : Planet
(b) Moon : Satellite
(c) Jupiter : Black Hole
(d) Sun : Star

Answer: (c)

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

(a) KQ

(b) DJ

(c) SZ

(d) RX

Answer: (c)

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

(a) 361

(b) 441

(c) 784

(d) 876

Answer: (d)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Herbivorous 2. Harmony 3. House 4. Honour 5. Helm

(a) 12543

(b) 25143

(c) 21534

(d) 12354

Answer: (b)

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

(a) H

(b) I

(c) J

(d) F

Answer: (b)

9. In the following question, select the missing number from the given series. 2, 4, 13, 41, 106, ?

(a) 172

(b) 191

(c) 219

(d) 232

Answer: (d)

10. Hitesh, Sunny, Vicky, Nitin and Bharat are arranged in ascending order of the height from the top. Hitesh is at third place. Bharat is between Nitin and Hitesh while Nitin is not at the bottom. Who has the maximum height among them?

(a) Hitesh

(b) Sunny

(c) Vicky

(d) Nitin

Answer: (d)

11. If 'A + B' means 'A is father of B', 'A – B' means 'A is mother of B', 'A * B' means 'A is brother of B' and 'A % B' means 'A is sister of B', then how is Q related to S in 'P + Q * R – S'?

(a) Husband

(b) Uncle

(c) Brother

(d) Father

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. Abandoned
ENROLL NOW
READ THEIR STORIES !

(a) Bonded

(b) Banded

(c) Bland

(d) Bane

Answer: (c)

13. In a certain code language, "REMOTE" is written as "KYSPGS" and "BRAND" is written as "IRDTC". How is "MOBILE" written in that code language?

(a) FMJCPN

(b) KQMEQN

(c) DKHANL

(d) DMHCNN

Answer: (b)

14. If "÷" denotes "multiplied by", "+" denotes "subtracted from", "x" denotes "added to" and "–" denotes "divided by",then 12 – 6 + 28 x 3 ÷ 9 = ?

(a) –24

(b) 1

(c) –53

(d) 8

Answer: (b)

15. If 19 (36) 13 and 37 (81) 28, then what is the value of 'A' in 43 (A) 38?

(a) 49

(b) 25

(c) 34

(d) 64

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. All insects are dangerous. II. All machines are dangerous. Conclusions: I. All dangerous are insects. II. All dangerous are machines. III. Some machines are insects.

(a) Only conclusion (I) follows.

(b) Only conclusion (II) follows.

(c) Only conclusion (III) follows.

(d) No conclusion follows.

Answer: (d)

General Awareness

26. Who takes the decision regarding the savings and loan activities in a Self Help Group (SHG)?

(a) Private Bank

(b) Reserve Bank of India

(c) Members of group

(d) Non Government Organizations

Answer: (c)

27. Which amongst the following is not in the list of Maharatna?

(a) Coal India Limited

(b) Steel Authority of India Limited

(c) Hindustan Petroleum Corporation Limited

(d) Bharat Heavy Electricals Limited

Answer: (c)

28. In Indian constitution, the method of election of President has been taken from which country?

(a) Britain

(b) USA

(c) Ireland

(d) Australia

Answer: (c)

29. What is the literal meaning of the term "Quo-Warranto"?

(a) We command

(b) To forbid

(c) By what authority (or) warrant

(d) None of these

Answer: (c)

30. Who was given the title of "The Ambassador of Hindu – Muslim Unity" for being the architect and mastermind of the historic Lucknow Pact?

(a) Sir Sayyad Ahmad Khan

(b) Fazl-ul-Haq

(c) Syed Mohammad Sharfuddin Quadri

(d) Muhammad Ali Jinnah

Answer: (d)

31. What is the name of the court poet of King Harshavardhana?

(a) Tulsidas

(b) Banabhatta

(c) Surdas

(d) Raskhan

Answer: (b)

32. Marble comes under which category of rocks?

(a) Sedimentary

(b) Igneous

(c) Metamorphic

(d) None of these

Answer: (c)

33. Which of the following is most important for absorption of heat radiated from the Sun as well as from the Earth?

(a) Carbon dioxide

(b) Oxygen

(c) Carbon monoxide

(d) Nitrogen

Answer: (a)

34. Which among the following has segmented body?

(a) Phylum Mollusca

(b) Phylum Arthopoda

(c) Phylum Annelida

(d) Phylum Coelenterata

Answer: (c)

35. Synapse gap is present between which of the following?

(a) Two neurons

(b) Brain and Spinal Cord

(c) Two Kidneys

(d) None of these

Answer: (a)

36. Which organ has finger like outgrowths which are called as Villi (Singular Villus)?
(a) Large Intestine
(b) Bladder
(c) Small Intestine
(d) Stomach
Answer: (c)

37. Which of the following is not a vector quantity?
(a) Acceleration
(b) Electric current
(c) Force
(d) Velocity
Answer: (b)

38. The phenomena of raising the outer edge of the curved roads above the inner edge to provide necessary centripetal force to the vehicles to take a safe turn is called _____.
(a) banking of roads
(b) cornering of roads
(c) elevation of roads
(d) tempering of roads
Answer: (a)

39. C++ is _____.
(a) an operating system
(b) a programming language
(c) a software
(d) None of these
Answer: (b)

40. What are isobars?
(a) Elements with same atomic number but different mass number
(b) Elements with different atomic number but same mass number
(c) Elements with different atomic number and different mass number
(d) Elements with same atomic number and same mass number
Answer: (b)

41. Which of the following pairs is INCORRECT? I. Haematite : Iron II. Pitchblende : Copper III. Monazite : Thorium
(a) Only I
(b) Only II
(c) Only I and II
(d) Only I and III
Answer: (b)

42. In which year did Kyoto Protocol came into force?
    (a) 2004
    (b) 2005
    (c) 2006
    (d) 2007

    Answer: (b)

43. The 7th pay commission has retained the rate of annual increment of _____.
    (a) 2%
    (b) 2.57%
    (c) 3%
    (d) 3.5%

    Answer: (c)

44. Who discovered malaria causing germs?
    (a) Christiaan Bernard
    (b) Charles Louis Alphonse Laveran
    (c) Dmitry Ivanovsky
    (d) Martinus William Beijerinck

    Answer: (b)

46. Which of the following pair is INCORRECT?
    (a) Amjad Ali Khan - Tabla
    (b) Ustad Bismillah Khan - Shehnai
    (c) Hema Malini - Bharatnatyam
    (d) Shambhu Maharaj - Kathak

    Answer: (a)

47. Who was conferred with the 2016 Nobel Prize for Literature?
    (a) Bob Dylan
    (b) Oliver Hart
    (c) Yoshinori Ohsumi
    (d) J. Michael Kosterlitz

    Answer: (a)

48. Who is the author of the book titled 'The Gita for Children'?
    (a) Puja Changoiwala
    (b) Ruchira Gupta
    (c) Priyanka Mookerjee
    (d) Roopa Pai

    Answer: (d)

49. With which country India celebrated its 25th year of diplomatic ties in 2017?

(a) France

(b) Russia

(c) Israel

(d) China

Answer: (c)

50. Which Asian country has opened 'Duge Bridge' (world's highest road bridge) for use in year 2016?

(a) China

(b) Russia

(c) Japan

(d) India

Answer: (a)

Quantitative Aptitude

51. Which one is the largest among the fractions (5/113), (7/120), (13/145) and (17/160)?

(a) 5/113

(b) 7/120

(c) 13/145

(d) 17/160

Answer: (d)

52. Nirmit can do 2/3 of a job in 18 days. Kashish is twice as efficient as Nirmit. In how many days Kashish will complete the job?

(a) 29/4

(b) 27/2

(c) 31/2

(d) 13/2

Answer: (b)

53. 40 men took a dip in a pool 30 m long and 25 m broad. If the average water displaced by a man is 5 m3, then what will be the rise (in cm) in level of the pool?

(a) 25

(b) 26.66

(c) 27.33

(d) 28

Answer: (b)

55. The length, breadth and height of a cuboid are in the ratio 19 : 11 : 13. If length is 30 cm more than height, then what is the volume (in cm3) of this cuboid?

(a) 81510

(b) 89665

(c) 195300

(d) 339625

Answer: (d)

56. Average age of a team having 12 players is 23 years. If the age of the coach is also included, then the average age increases by 2 years. What is the age (in years) of the coach?

(a) 41

(b) 47

(c) 49

(d) 51

Answer: (c)

57. An item is sold at two successive gains of 30% and 20%. If the final selling price is Rs 31200, then what is the cost price (in Rs)?

(a) 15000

(b) 20000

(c) 22250

(d) 24000

Answer: (b)

58. The number of trees in a town is 17640 [illegible] the r[illegible]bers of trees increases annually at the rate of 5%, then how many trees were there 2 years [illegible]

(a) 14000

(b) 15000

(c) 16000

(d) 19450

Answer: (c)

59. Aman and Kapil starts from Delhi and Gwalior respectively towards each other at same time. They meet at Mathura and then take 196 minutes and 225 minutes respectively to reach Gwalior and Delhi. If speed of Aman is 30 km/hr, then what is the speed (in km/hr) of Kapil?

(a) 28

(b) 30

(c) 225/7

(d) 392/15

Answer: (a)

60. The simple interest on a sum of money for 10 years is Rs 3130. If the principal becomes 5 times after 5 years, then what will be the total interest (in Rs) obtained after 10 years?

(a) 6260

(b) 7825

(c) 9390

(d) 15650

Answer: (c)

62. If 2x + (9/x) = 9, then what is the minimum value of x2 + (1/x2)?

(a) 95/36

(b) 97/36

(c) 86/25

(d) 623/27

Answer: (b)

63. If (5x – y)/(5x + y) = 3/7, then what is the value of (4×2 + y2 – 4xy)/(9×2 + 16y2 + 24xy)?

(a) 0

(b) 3/7

(c) 18/49

(d) 1/6

Answer: (a)

64. If (x + y)2 = xy + 1 and x3 – y3 = 1, then what is t' value of x – y?

(a) 1

(b) 0

(c) –1

(d) 2

Answer: (a)

66. ABCD is a parallelogram in which AB = 7 cm, BC = 9 cm and AC = 8 cm. What is the length (in cm) of other diagonal?

(a) 14

(b) 14√2

(c) 7

(d) 7√2

Answer: (a)

67. How many diagonals are there in octagon?

(a) 12

(b) 14

(c) 20

(d) 24

Answer: (c)

68. A square is inscribed in a quarter circle in such a way that two of its adjacent vertices on the radius are equidistant from the centre and other two vertices lie on the circumference. If the side of square is $\sqrt{(5/2)}$ cm, then what is the radius (in cm) of the circle?

(a) 2

(b) 2.5

(c) 5

(d) 10

Answer: (b)

69. If sec2 θ + tan2 θ = 5/3, then what is the value of tan 2θ?

(a) $2\sqrt{3}$

(b) $\sqrt{3}$

(c) $1/\sqrt{3}$

(d) Cannot be determined

Answer: (b)

70. A tower is broken at a point P above the ground. The top of the tower makes an angle 60° with the ground at Q. From another point R on the opposite side of Q angle of elevation of point P is 30°. If QR = 180 m, then what is the total height (in metres) of the tower?

(a) 90

(b) $45\sqrt{3}$

(c) $45(\sqrt{3} + 1)$

(d) $45(\sqrt{3} + 2)$

Answer: (d)

71. If sin θ + sin 5θ = sin 3θ and 0 < θ < (π/2), what is the value of θ (in degrees)?

(a) 30

(b) 45

(c) 60

(d) 75

Answer: (a)

72. How much tax (in Rs '000 crores) was paid by XYZ limited in Y7?

(a) 90

(b) 99

(c) 118.8

(d) 126

Answer: (c)

73. Which of the following is correct about profit after tax for year Y2, Y6 and Y8?

(a) Y8 > Y6 = Y2

(b) Y6 > Y2 > Y8

(c) Y8 > Y6 > Y2

(d) Y6 = Y8 > Y2

Answer: (c)

74. How many distinct values of yearly profit are there?

(a) 3

(b) 4

(c) 5

(d) 6

Answer: (c)

75. What is the total sum (in '000 crores) of profit after tax for Y1 to Y8?

(a) 1763.6

(b) 1803.2

(c) 1820.2

(d) 1872.4

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'. My elder son deals with (1)/ spare parts and manages (2)/ his bread and butter. (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'. Sneha was accused for murder of her husband (1)/ but the court found her (2)/ not guilty and acquitted her. (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. My sister's marriage passed _____ peacefully.

(a) away

(b) by

(c) off

(d) out

Answer: (c)

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. There are _____ books on computer science in your school library, so you need to purchase them from the market.

(a) a few

(b) a little

(c) few

(d) the few

Answer: (c)

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

(a) Difficulty

(b) Barbarity

(c) Shy

(d) Gloomy

Answer: (b)

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

(a) Divert

(b) Deceive

(c) Debase

(d) Delay

Answer: (d)

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

(a) Dulcet

(b) Hoarse

(c) Jarring

(d) Torrent

Answer: (a)

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

(a) Inclination

(b) Enduring

(c) Enmity

(d) Domicile

Answer: (c)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. A wild goose chase

(a) Fruitful search

(b) Timely search

(c) Useless search

(d) Wrong decision

Answer: (c)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. A moot point

(a) Agreeable

(b) Disputed

(c) Unclear

(d) Unknown

Answer: (b)

86. Improve the bracketed part of the sentence. The Chairman appointed her (as a secretary) as she is efficient.

(a) a secretary

(b) as secretary

(c) secretary

(d) No improvement

Answer: (d)

87. Improve the bracketed part of the sentence. I wish I (was) a superman.

(a) am

(b) have been

(c) were

(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. One who is honourably discharged from service

(a) Belligerent

(b) Emeritus

(c) Truant

(d) Mercenary

Answer: (b)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. A perception without objective reality

(a) Cynicism

(b) Hallucination

(c) Illusion

(d) Optimism

Answer: (b)

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

(a) Anxiety

(b) Believe

(c) Height

(d) Peity

Answer: (d)

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

(a) Admited

(b) Benefited

(c) Married

(d) Offered

Answer: (a)

92. The question below consists of a set of jumbled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. P- Granted, political defection is increasingly less an act of ideological defiance than one of pure opportunism. Q- Yet, for all it flaws, the current law recognizes and respects one fundamental principle: The right to dissent. R- A blanket ban on defection will weaken rather than strengthen democracy, in whose name it is being sought to be imposed. S- Granted also that it is illogical to allow a third of the party to split but not in a lesser number.

(a) RPSQ

(b) PSRQ

(c) RSPQ

(d) PRSQ

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- As difficult as it may be to recognize what it is inside us that is making us respond with negativity, that is the path towards forgiveness. Q- This will automatically change your relationship with the other person and you will feel much better. R- We need to recognize our reaction to the other person as a mirror of something in ourselves. S- Whatever, the issues might be, once you have discovered them, you can work on forgiving yourself.

(a) SQRP

(b) SRQP

(c) RQPS

(d) RPSQ

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. After driving Dr. Bose to the hospital he dropped him at his guest house.

(a) After being driven to the hospital Dr. Bose was dropped at his guest house.

(b) After he had driven Dr. Bose to the hospital he had dropped him at his guest house.

(c) After he was driving Dr. Bose to the hospital he was dropping him at his guest house.

(d) Dr. Bose was being driven to the hospital first and then he was being dropped at his guest house.

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. I said to my friends, "let us go to a picnic for a change".

(a) I asked my friends if they would go to a picnic for a change.

(b) I asked my friends to go to a picnic for a change.

(c) I permitted my friends to go to a picnic for a change.

(d) I suggested to my friends that we should go to a picnic for a change.

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. Literature is a _____ through which a person conveys his ideas towards or protest _____ different norms of society. The words that deal with a _____ issue are of particular importance in literature. They are _____ with a particular purpose in _____.

96. Literature is a _____ through which a person

(a) base

(b) medium

(c) source

(d) subject

Answer: (b)

97. conveys his ideas towards or protest _____ different norms
    (a) against
    (b) for
    (c) in
    (d) off
    Answer: (a)

98. of society. The words that deal with a _____ issue
    (a) broad
    (b) insensitive
    (c) moral
    (d) economical
    Answer: (c)

99. are of particular importance in literature. They are _____ with
    (a) brought
    (b) founded
    (c) represented
    (d) written
    Answer: (d)

100. a particular purpose in _____.
    (a) all
    (b) hand
    (c) mind
    (d) total
    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	**(b)**	2	**(b)**	3	**(b)**	4	**(c)**	5	**(c)**	6	**(d)**	7	**(b)**	8	**(b)**
9	**(d)**	10	**(d)**	11	**(b)**	12	**(c)**	13	**(b)**	14	**(b)**	15	**(b)**	18	**(d)**

General Awareness

26	**(c)**	27	**(c)**	28	**(c)**	29	**(c)**	30	**(d)**	31	**(b)**	32	**(c)**	33	**(a)**
34	**(c)**	35	**(a)**	36	**(c)**	37	**(b)**	38	**(a)**	39	**(b)**	40	**(b)**	41	**(b)**
42	**(b)**	43	**(c)**	44	**(b)**	46	**(a)**	47	**(a)**	48	**(d)**	49	**(c)**	50	**(a)**

Quantitative Aptitude

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

English Comprehension

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