PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 5 August 2017, Shift 3

SSC CGL · 5 August 2017 · Shift 3

81 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: 19 (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 5 August 2017, Shift 3. 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-1-5-aug-shift-3/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Player : Team : : Minister : ?

(a) Army

(b) Troupe

(c) Council

(d) Crowd

Answer: (c)

2. In the following question, select the related letters from the given alternatives. TRACK : MECTV : : POND : ?

(a) EOPQ

(b) FPQR

(c) GOQQ

(d) HPPR

Answer: (b)

3. In the following question, select the related number from the given alternatives. 850 : 863 : : 430 : ?

(a) 437

(b) 442

(c) 435

(d) 451

Answer: (a)

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

(a) Cotton

(b) Mustard

(c) Peas

(d) Sesame

Answer: (a)

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

(a) CXA

(b) MNQ

(c) PKN

(d) HSU

Answer: (d)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Yangtze 2. Yakking 3. Yakuzas 4. Yobbery 5. Yobbish

(a) 24531

(b) 23145

(c) 54231

(d) 54321

Answer: (b)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. AK12, GV29, LF18, PO?

(a) 34

(b) 31

(c) 42

(d) 40

Answer: (b)

9. In the following question, select the missing num from the given series. 21, 26, 33, 42, 53, ?

(a) 56

(b) 63

(c) 66

(d) 69

Answer: (c)

10. Ratio of present ages of Pankaj and Punit is 5 : 6 and the sum of their ages is 33 years. What will be the difference (in years) of their ages?

(a) 2

(b) 3

(c) 4

(d) 5

Answer: (b)

11. Kritika walks 40 metres towards south. Then turning to her right she rides 30 metres. Then, turning to her left, she rides 50 metres. Again, she turns to her left and rides 30 metres. How far (in metres) is she from her initial position?

(a) 65

(b) 70

(c) 80

(d) 90

Answer: (d)

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

(a) CONSOLE

(b) ONSET

(c) SALTY

(d) SOLID

Answer: (c)

13. In a certain code language, "STUBBORN" is written as "VUTAAOSP". How is "SHIPPING" written in that code language?

(a) TIJOOHPJ

(b) QFOLLSLO

(c) TIJNNOJH

(d) JITOOHOJ

Answer: (d)

14. Correct the following equation by interchanging the two signs and two numbers. 7 x 6 + 5 – 4 = 33

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(a) –, x and 4, 5

(b) x, + and 4, 5

(c) +, – and 5, 6

(d) x, – and 5, 6

Answer: (c)

15. If 3 @ 3 * 3 = 3 and 48 @ 4 * 3 = 36, then 91 @ 13 * 2 = ?

(a) 4

(b) 8

(c) 10

(d) 14

Answer: (d)

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. No purse is cloth. II. All purses are leather. Conclusions: I. No leather is cloth. II. Some leather are cloth. III. Some leather are purses.

(a) Only conclusion (I) follows.

(b) Only conclusion (III) follows.

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

(d) All conclusions follow.

Answer: (b)

General Awareness

26. In which of the following case, law of demand fails?

(a) Giffen goods

(b) Normal goods

(c) Inferior goods

(d) Both Giffen and Inferior goods

Answer: (d)

29. Which of the following Article/Articles cannot be suspended even during emergency?

(a) Article 19

(b) Article 20 and 21

(c) Article 22 and 23

(d) Article 24 and 25

Answer: (b)

31. Who wrote 'Nyaya Sutra'?

(a) Vyasa

(b) Gautam

(c) Kapila

(d) Charaka

Answer: (b)

32. Earth's Deepest point in water is Mariana trench. It is located in which of the following oceans?

(a) Atlantic Ocean

(b) Arctic Ocean

(c) Indian Ocean

(d) Pacific Ocean

Answer: (d)

33. Masai is a tribe of which of the following country?
    (a) Kenya
    (b) Germany
    (c) Australia
    (d) India
    Answer: (a)

34. With which of the following body organ is 'pace-maker' associated?
    (a) Liver
    (b) Brain
    (c) Heart
    (d) Lungs
    Answer: (c)

35. Haemoglobin is an important component of _____.
    (a) white blood cells
    (b) red blood cells
    (c) plasma
    (d) All options are correct
    Answer: (b)

36. Anaemia is caused because of deficiency of which of the following?
    (a) Cobalt
    (b) Iron
    (c) Sodium
    (d) Calcium
    Answer: (b)

37. What is the minimum distance (in metres) required to hear an echo?
    (a) 10
    (b) 13
    (c) 17
    (d) 21
    Answer: (c)

38. Why does a black board appears black in colour?
    (a) It reflects black colour
    (b) It absorbs black colour
    (c) It reflects all colours
    (d) It absorbs all the colours
    Answer: (d)

40. Which among the following metal is used for galvanization?
    (a) Zinc
    (b) Copper
    (c) Iron
    (d) Silver

    Answer: (a)

41. What is dry ice?
    (a) Solid Carbon dioxide
    (b) Solid Nitrogen dioxide
    (c) Solid Sulphur dioxide
    (d) Solid Water

    Answer: (a)

42. Which of the following represents the most complex trophic level?
    (a) Community
    (b) Population
    (c) Ecosystem
    (d) Species

    Answer: (c)

43. Chief Minister of Andhra Pradesh launched a medical scheme for APL families. What is the name of that scheme?
    (a) Haritha Kalyanam
    (b) Arogya Raksha
    (c) Kalyanamsurvay
    (d) Swasthya Raksha

    Answer: (b)

44. Who discovered X-rays?
    (a) W. C. Roentgen
    (b) Albert Einstein
    (c) Samuel Cohen
    (d) Edward Taylor

    Answer: (a)

45. How many players are there in a water polo team?
    (a) 6
    (b) 5
    (c) 7
    (d) 8

    Answer: (c)

46. 'Lavani' is a dance form of which state in India?
    (a) Maharashtra
    (b) Gujarat
    (c) Madhya Pradesh
    (d) Andhra Pradesh

    Answer: (a)

47. Who is being awarded with Asian Award 2016 as the Chivas Social entrepreneur of the year?
    (a) Vikram Patel
    (b) Shri Prakash Lohia
    (c) Rami Ranger
    (d) Anil Agarwal

    Answer: (a)

48. The book "Azad Bachpan ki Aur" is written by which author?
    (a) Kailash Satyarthi
    (b) Radhakant Bharti
    (c) Dipak Misra
    (d) Subhash Chandra

    Answer: (a)

49. India by the Nile', was a cultural festival celebrate y India and _____.
    (a) Sudan
    (b) Kampala
    (c) Egypt
    (d) Kenya

    Answer: (c)

50. Sheikh Hasina Wazed is the Prime Minister of which neighbouring country of India?
    (a) Pakistan
    (b) Bangladesh
    (c) Afghanistan
    (d) Nepal

    Answer: (b)

Quantitative Aptitude

51. What is the value of $[12/(\sqrt{5} + \sqrt{3})] + [18/(\sqrt{5} - \sqrt{3})]$?
    (a) $15(\sqrt{5} - \sqrt{3})$
    (b) $3(5\sqrt{5} + \sqrt{3})$
    (c) $15(\sqrt{5} + \sqrt{3})$
    (d) $3(3\sqrt{5} + \sqrt{3})$

    Answer: (b)

52. S, T and U can complete a work in 40, 48 and 60 days respectively. They received Rs 10800 to complete the work. They begin the work together but T left 2 days before the completion of the work and U left 5 days before the completion of the work. S has completed the remaining work alone. What is the share of S (in Rs) from total money?

(a) 4000

(b) 4320

(c) 4500

(d) 4860

Answer: (d)

53. A farmer's land is in the shape of a trapezium which has its parallel sides measuring 2.56 yards and 3.44 yards and the distance between the parallel sides in 1.44 yards. The cost of ploughing the land is Rs 1800 per square yard. What amount will (in Rs) have to be spent in order to plough the entire land?

(a) 3672

(b) 6732

(c) 7776

(d) 8214

Answer: (c)

54. If after giving a discount of 18%, a book is sold for Rs 1599, then what will be the marked price (in Rs) of the book?

(a) 1800

(b) 1880

(c) 1950

(d) 2000

Answer: (c)

55. A man has 3 sons, 2 daughters and a wife. They divided a sum of Rs 19000 among themselves such that each daughter got 1.5 times the amount received by each son and his wife received 600 less than each son. What is the total amount (in Rs) received by the 3 sons together?

(a) 2800

(b) 3600

(c) 5600

(d) 8400

Answer: (d)

56. The average of 3 consecutive even numbers is A. If next 5 even numbers are added, then what is the average of these 8 numbers? 3

(a) A + 3

(b) A + 4

(c) A + 5

(d) A + 7

Answer: (c)

57. While selling an article for Rs 18450, a person suffered a loss of 50%. At what price he should have sold the article (in Rs) to earn a profit of 50%?

(a) 13837

(b) 52000

(c) 55350

(d) 56775

Answer: (c)

58. The present population of a town is 26010. It increases annually at the rate of 2%. What was the population of town 2 years ago?

(a) 25000

(b) 25100

(c) 25200

(d) 25500

Answer: (a)

59. A train of length 100 m crosses another train of length 150 m, running on a parallel track in the opposite direction in 9 seconds. If the speed of train having length 150 m is 40 km/hr, then what is the speed (in km/hr) of the other train?

(a) 30

(b) 48

(c) 50

(d) 60

Answer: (d)

60. What is the compound interest (in Rs) for [illegible] on a sum of Rs 20000 at the rate of 40% per annum compounding half yearly?

(a) 8000

(b) 8650

(c) 8750

(d) 8800

Answer: (d)

61. What is the difference of the cube and square of the common root of (x2 – 8x + 15) = 0 and (y2 + 2y – 35) = 0?

(a) 76

(b) 100

(c) 294

(d) 318

Answer: (b)

63. What is the difference of the factors of the expression x2 + (1/x2) – 6?

(a) 0

(b) 1

(c) 2

(d) 4

Answer: (d)

64. If x + (1/x) = √13, then what is the value of x5 – (1/x5)?

(a) 169

(b) 169√3

(c) 393

(d) 507

Answer: (c)

65. If D and E are points on the sides AB and AC respectively of a triangle ABC such that DE||BC. If AD = x cm, DB = (x – 3) cm, AE = (x + 3) cm and EC = (x – 2) cm, then what is the value (in cm) of x?

(a) 3

(b) 3.5

(c) 4

(d) 4.5

Answer: (d)

66. If medians of a triangle have lengths 18 cm, 24 cm and 30 cm, then what is the area (in cm2) of the triangle?

(a) 24√6

(b) 244

(c) 288

(d) 360

Answer: (c)

67. Two smaller circles touch a large circle internally and pass through the center O of the larger circle. If the diameter of the bigger circle is 28 cm, then what is the area of the bigger circle which is not enclosed by the two smaller circles (in cm2)?

(a) 154

(b) 256

(c) 308

(d) 616

Answer: (c)

69. What is the simplified value of tan (θ/2) + cot (θ/2)?

(a) 2 cosec θ

(b) 2 sec θ

(c) sin θ

(d) cosec θ

Answer: (a)

70. What is the simplified value of [(sec3x – tan3x)/(sec x – tan x)] – 2 tan2x – sec x tan x?
    (a) 0
    (b) 2
    (c) – 1
    (d) 1
    Answer: (d)

72. In which subject the total marks of all the students is highest?
    (a) English
    (b) Mathematics
    (c) Science
    (d) Hindi
    Answer: (b)

73. Which student scored the maximum marks in all the 4 subjects taken together?
    (a) Student 1
    (b) Student 2
    (c) Student 3
    (d) Student 5
    Answer: (c)

74. A new subject is added in which all the students have scored 100 marks. If total marks are calculated as sum of the marks of highest 4 subjects then who will be second in terms of total marks?
    (a) Student 3
    (b) Student 2
    (c) Student 5
    (d) Student 4
    Answer: (b)

75. The average marks per student in English is what percent of the average marks per student in Hindi?
    (a) 91.48
    (b) 97.12
    (c) 92.71
    (d) 98.18
    Answer: (c)

English Comprehension

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'. These kind of clothes (1)/ are rather expensive (2)/ for me to buy. (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 employee did not _____ to the argument of the manager.

(a) precede

(b) exceed

(c) concede

(d) recede

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. He was sworn _____ as the Prime Minister of our country.

(a) in

(b) off

(c) about

(d) out

Answer: (a)

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

(a) Humorous

(b) Quarrelsome

(c) Remorseful

(d) Dullness

Answer: (b)

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

(a) Decisive

(b) Uncivilised

(c) Discerning Judge

(d) Narrow-minded

Answer: (c)

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

(a) Delusive

(b) Futile

(c) Unreal

(d) Productive

Answer: (d)

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

(a) Artful

(b) Candid

(c) Credulous

(d) Sincere

Answer: (a)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. By fits and starts

(a) Occasionally

(b) Totally

(c) Finally

(d) Irregularly

Answer: (d)

86. Improve the bracketed part of the sentence. I h (not only helped her by) giving hints but also with providing him links.

(a) helped not only to her by.

(b) helped her not only by

(c) not only helped her

(d) No improvement

Answer: (b)

87. Improve the bracketed part of the sentence. We (has finished) our lunch half an hour ago.

(a) finished

(b) will have finished

(c) had finished

(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. The act of speaking irreverently about sacred things.

(a) Atheist

(b) Blasphemy

(c) Bellicose

(d) Defection

Answer: (b)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. A person who talks too much of himself.

(a) Egoist

(b) Elite

(c) Emetic

(d) Egotist

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) Entrepreneur

(b) Remuneration

(c) Apprentice

(d) Soveriegnity

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) Tranquillity

(b) Perseverence

(c) Resplendence

(d) Accommodation

Answer: (b)

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: In other countries which are populated by 'haves', frustration is among them also because they do "haves". Q: In some countries, frustration exists because these countries are populated by "have-nots". R: Frustration is a global cancer. S: It has spared no country.

(a) RSQP

(b) SQRP

(c) PSRQ

(d) QRPS

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: The real purpose underlying this maxim lies in its utility in the worldly sense. Q: He has within him a spirit which is ever exhorting him to cut down his needs and learn to be happy with what he has. R: Man is something much greater than an intelligent being using his intellect to make newer inventions from time to time. S: It tells us to be up and doing, not to be passive in our attitude to life.

(a) PRQS

(b) QPSR

(c) RQPS

(d) SRPQ

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. Why do you waste money?

(a) Why is money been wasted by you?

(b) Why has money been wasted by you?

(c) Why is money wasted by you?

(d) Why is money being wasted by you?

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. The doctor said, "well, what can I do for you

(a) The doctor wanted to know what he could do for her.

(b) The doctor said that he couldn't do [illegible] for her.

(c) The doctor asked what he couldn't do for her.

(d) The doctor wondered what he could do for her.

Answer: (a)

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 world has seen a _____ growth in several spheres. Agricultural production, industrial production, communication, medicine, education etc, have seen _____ growth. We can safely assume that the future is not as _____ as once appeared to be. We are not by a vision of hungry hordes overwhelming world food resources. Although it is _____ that many people, especially in the developing countries, are hungry, illiterate and _____ to diseases.

96. The world has seen a _____ growth in several spheres.

(a) tremendous

(b) mere

(c) hardly

(d) slow

Answer: (a)

97. Agricultural production, industrial production, communication, medicine, education etc, have seen _____ growth.

(a) equal

(b) unprecedented

(c) negligible

(d) negetive

Answer: (b)

98. We can safely assume that the future is not as _____ as once appeared to be.

(a) good

(b) strong

(c) bleak

(d) high

Answer: (c)

99. Although it is _____ that many people, especially in the developing countries,

(a) unclear

(b) false

(c) incorrect

(d) true

Answer: (d)

100. are hungry, illiterate and _____ to diseases.

(a) prone

(b) averse

(c) liable

(d) engross

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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