PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 11 August 2017, Shift 2

SSC CGL · 11 August 2017 · 1:15 PM - 2:15 PM

79 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: 21 (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, 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-1-11-aug-shift-2/

General Intelligence and Reasoning

1. In the following question, select the related word pair from the given alternatives. Heart : Organ : : ? : ?

(a) Bones : Calcium

(b) Eyes : Organ

(c) Leg : Feet

(d) Ear : Sense

Answer: (b)

2. In the following question, select the related letters from the given alternatives. BPTW : CQUX : : CHNS : ?

(a) DIST

(b) DIOT

(c) BGOT

(d) DSTO

Answer: (b)

3. In the following question, select the related number from the given alternatives. 48 : 63 : : 80 : ?

(a) 97

(b) 98

(c) 99

(d) 101

Answer: (c)

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

(a) Calendar : Dates

(b) Dairy : Milk

(c) Notebook : Notes

(d) Accounts : Entries

Answer: (b)

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

(a) M

(b) E

(c) S

(d) W

Answer: (b)

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

(a) 26

(b) 50

(c) 82

(d) 120

Answer: (d)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Train 2. Topper 3. Tingling 4. Tumbler 5. Traction

(a) 23541

(b) 32154

(c) 25314

(d) 32514

Answer: (d)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. DK, FN, HQ, ?

(a) KS

(b) JT

(c) KT

(d) JS

Answer: (b)

9. In the following question, select the missing number from the given series. 2, 5, 17, 71, ?

(a) 131

(b) 247

(c) 359

(d) 419

Answer: (c)

10. Akshar remembers that the match is after 26th April but before 30th April, while Suresh remembers that the match is after 22nd April but before 28th April. On which date of April is the match?

(a) 29

(b) 26

(c) 27

(d) 28

Answer: (c)

11. In a row of books a book of English is 16th from left end of row. A book of Mathematics is 12th from the right end. If the Mathematics book is 6th to the right of the English book, then how many total books are in the row?

(a) 33

(b) 32

(c) 34

(d) 31

Answer: (a)

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

(a) Anger

(b) Pass

(c) Page

(d) Pain

Answer: (d)

13. In a certain code language, "TREASON" is written as "RKWWINX" and "POULTRY" is written as "CNXHYKT". How is "NUMBER" written in that code language?

(a) NIXQQR

(b) JAIFAV

(c) RQQXIN

(d) VAFIAJ

Answer: (a)

14. In the following question, by using which mathematical operators will the expression become correct? 30 ? 6 ? 4 ? 5 ? 4

(a) –, =, x and +

(b) +, =, x and –

(c) =, x, + and –

(d) –, +, = and x

Answer: (a)

15. If 13 # 9 = 94 and 18 # 7 = 100, then 24 # 6 = ?

(a) 121

(b) 113

(c) 148

(d) 115

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 books are erasers. II. All sharpeners are books. Conclusions: I. All sharpeners are erasers. II. Some books are sharpeners.

(a) Only conclusion (I) follows.

(b) Only conclusion (II) follows.

(c) Both conclusion follow.

(d) Neither conclusion (I) nor conclusion (II) follows.

Answer: (c)

General Awareness

26. An economic system combining private and state enterprise is called as _____

(a) Market economy

(b) Centrally planned economy

(c) Private economy

(d) Mixed economy

Answer: (d)

27. What was the main motive of Third Five Year Plan in India?

(a) Rural development

(b) Agriculture

(c) Financial inclusion

(d) Economic reform

Answer: (b)

28. Under which article, President of India can proclaim constitutional emergency?

(a) Article 32

(b) Article 349

(c) Article 356

(d) Article 360

Answer: (c)

29. How many members of upper house (Rajya Sabha) can be nominated by President of India?

(a) 10

(b) 12

(c) 14

(d) 16

Answer: (b)

30. Who wrote 'Akbarnama'?
    (a) Abul Fazal
    (b) Faizi
    (c) Abdur Rahim
    (d) Abdul Qadir

    Answer: (a)

31. Which Sikh Guru initiated 'The Khalsa'?
    (a) Guru Nanak Dev
    (b) Guru Gobind Singh
    (c) Guru Angad Dev
    (d) Guru Tegh Bahadur

    Answer: (b)

32. A difference between 2 longitudes at equator is nearby equivalent to _____ km.
    (a) 101
    (b) 111
    (c) 121
    (d) 91

    Answer: (b)

33. Which of the following winds are hot dust laden a[illegible]blow from Sahara desert towards Mediterranean Region?
    (a) Sirocco
    (b) Loo
    (c) Foehn
    (d) Mistral

    Answer: (a)

34. Which of the following are longest cells of human body?
    (a) Pancreatic cells
    (b) Epethelial cells
    (c) Nerve cells
    (d) Epidermal cells

    Answer: (c)

35. Which of the following is responsible for giving colour to human skin?
    (a) Luciferin
    (b) Haemoglobin
    (c) Flavonoids
    (d) Melanin

    Answer: (d)

36. Which of the following disease is non-communicable in nature?
    (a) Cholera
    (b) Chicken-pox
    (c) Tuberculosis
    (d) Cancer

    Answer: (d)

37. Electric Motor converts _____ energy to mechanical energy
    (a) sound
    (b) mechanical
    (c) chemical
    (d) electrical

    Answer: (d)

38. Optical fibre works on which of the following principle of light?
    (a) Reflection
    (b) Refraction
    (c) Diffraction
    (d) Total internal reflection

    Answer: (d)

39. Which key is used to move to next line in a Ms-Word document?
    (a) Enter key
    (b) Escape key
    (c) Shift key
    (d) Return key

    Answer: (a)

40. In which industry Potassium Nitrate is used commercially?
    (a) Glass Manufacturing
    (b) Electroplating
    (c) Fire Cracker Manufacturing
    (d) Leather Industry

    Answer: (c)

41. Which of the following is not an example of Allotrope?
    (a) Diamond
    (b) Graphite
    (c) Ozone
    (d) Steel

    Answer: (d)

42. Which of the following three R's are regarded as environment friendly?
    (a) Reduce – Reuse – Recycle
    (b) Reduce – Reuse – Reutilize
    (c) Recollect – Reuse – Reutilize
    (d) Reduce – Renew – Reutilize

    Answer: (a)

43. In which of the following city "Urja Ganga", 1500 km long gas pipeline project has been launched in October, 2016?
    (a) Ahmedabad
    (b) New Delhi
    (c) Ghaziabad
    (d) Varanasi

    Answer: (d)

44. Who invented Pentium Chip?
    (a) C. Kumar Patel
    (b) Tom Gunter
    (c) Vince Emery
    (d) Vinod Dham

    Answer: (d)

45. What is the duration (in minutes) of one-half of a football match?
    (a) 30
    (b) 35
    (c) 40
    (d) 45

    Answer: (d)

46. Which one of the following films was not directed by Satyajit Ray?
    (a) Shatranj ke khiladi
    (b) Charulata
    (c) Jalsaghar
    (d) Gumnam

    Answer: (d)

48. Which play of Shakespeare's was recently claimed to be dated wrongly?
    (a) Macbeth
    (b) Othello
    (c) Hamlet
    (d) Romeo Julliet

    Answer: (c)

49. Which of the following country has co-sponsored 'Cobra Gold' – an annual multilateral military exercise alongwith Thailand?

(a) India

(b) Indonesia

(c) USA

(d) China

Answer: (c)

50. The Gurudwara 'Panja Sahib' is located in which neighbouring country of India?

(a) Pakistan

(b) Bangladesh

(c) Sri Lanka

(d) Nepal

Answer: (a)

Quantitative Aptitude

51. By what least number should 1200 be multiplied so that it becomes a perfect square?

(a) 2

(b) 3

(c) 5

(d) 13

Answer: (b)

52. A, B and C can complete a work in 10, [illegible] and 1[illegible] days respectively. All three of them starts together but after 2 days A leaves the job and [illegible] the job 3 days before the work was completed. C completed the remaining work alone. In how many days was the total work completed?

(a) 5

(b) 6

(c) 7

(d) 8

Answer: (c)

53. A solid sphere of diameter 7 cm is cut into two equal halves. What will be the increase (in cm2) in the total surface area ?

(a) 77

(b) 154

(c) 87

(d) 38.5

Answer: (a)

54. After a discount of 23% an article is sold for Rs 1848. What is the marked price (in Rs) of the article?

(a) 2150
(b) 2275
(c) 2350
(d) 2400

Answer: (d)

56. What is the average of first 93 natural numbers?

(a) 45
(b) 46
(c) 47
(d) 49

Answer: (c)

57. A trader sells two items at the rate of Rs 400 each. If he gains 15% on one and losses 15% on other, then what is the value (in Rs) of loss ?

(a) 18.41
(b) 22.14
(c) 20.25
(d) 24.36

Answer: (a)

58. 30% of a number exceeds 25% of the same number by 27. What is the value of the number?

(a) 540
(b) 270
(c) 108
(d) 90

Answer: (a)

59. 37 trees are planted in a straight line such that distance between any two consecutive trees is same. A car takes 20 seconds to reach the 13th tree. How much more time (in seconds) will it take to reach the last tree?

(a) 36
(b) 40
(c) 57
(d) 60

Answer: (b)

65. PQRS is a square, M is the mid-point of PQ and N is a point on QR such that NR is two-third of QR. If the area of ΔMQN is 48 cm2, then what is the length (in cm) of PR ?

(a) $12\sqrt{2}$

(b) 12

(c) 24

(d) $24\sqrt{2}$

Answer: (d)

69. What is the simplified value of (1– sin A cos A)(sin A + cos A)?

(a) sin2 A – cos2 A

(b) sin3 A + cos3 A

(c) 0

(d) cos2 A – sin2 A

Answer: (b)

72. What is the average number (approximately) of cars parked per hour from 6 am to 6 pm on the given day?

(a) 80

(b) 85

(c) 73

(d) 78

Answer: (b)

73. At what time the percentage change in number parked cars is the maximum?

(a) 9 am to 10 am

(b) 12 pm to 1 pm

(c) 8 am to 9 am

(d) 6 am to 7 am

Answer: (c)

74. For how many hours the number of parked cars is less than the average on the given day?

(a) 5

(b) 8

(c) 6

(d) 7

Answer: (b)

75. If the charges of parking are Rs 50 per hour, then what is the total income (in Rs) from 6 am to 6 pm on the given day?

(a) 55500

(b) 50500

(c) 57500

(d) 59500

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'. Are not your father (1)/ and your elder brother (2)/ out of town? (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (d)

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'. Our office building comprises (1)/ seven floors and a restaurant at the top in an (2)/ area of about eight hundred sq. metres. (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. John as well as his friends always _____ the permission of his mother before going for a rugby match.

(a) asks

(b) receives

(c) seeks

(d) soughts

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. My sister unlike my brothers _____ to have a career in Engineering.

(a) wants

(b) want

(c) wish

(d) aspire

Answer: (a)

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

(a) Clamorous

(b) Ferocious

(c) Fissiparous

(d) Voluminous

Answer: (a)

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

(a) Emaciate

(b) Insane

(c) Rejected

(d) Ridicule

Answer: (a)

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

(a) Comical

(b) Insane

(c) Modest

(d) Swanky

Answer: (c)

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

(a) Debatable

(b) Empathize

(c) Indifferent

(d) Legion

Answer: (c)

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

(a) Main support of an object

(b) One place to another

(c) To be reluctant

(d) To incite others

Answer: (b)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Hobson's choice

(a) To choose first in row

(b) To make a careful choice

(c) No real choice at all

(d) To seek all favourable alternatives to choose from

Answer: (c)

86. Improve the bracketed part of the sentence. William Shakespeare is the greatest of (all other) writers.

(a) all the

(b) any other

(c) the other

(d) No improvement

Answer: (a)

87. Improve the bracketed part of the sentence. She is not used (to sleep) for so long.

(a) to be sleeping

(b) to sleep

(c) to sleeping

(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. Giving undue favour to one's own kith and kin

(a) Ableism

(b) Iconoclast

(c) Maiden

(d) Nepotism

Answer: (d)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One who does not care for literature or art

(a) Dictator

(b) Hypocrite

(c) Philistine

(d) Primitive

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) Colonel

(b) Hypocracy

(c) Offence

(d) Strength

Answer: (b)

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

(a) Preceed

(b) Proceed

(c) Recede

(d) Succeed

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- And if I think about something which didn't happen I start thinking about all the other things which didn't happen. Q- But there is only ever one thing which happened at a particular time and a particular place. R- And there are an infinite number of things which didn't happen at that time and that place. S- A lie is when you say something happened which didn't happen.

(a) QSRP

(b) SQPR

(c) SRQP

(d) SQRP

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- The magnitude of the interdependence depends on the technique of production causing the shifts in the food supply curve. Q- Interdependence of food and labour market is important for the development process. R- Similarly, an upward shift in the food supply curve shifts up the food demand curve. S- An upward shift in the food supply curve would simultaneously result in an upward shift in the labour demand curve.

(a) QSPR

(b) QPRS

(c) PSRQ

(d) SPQR

Answer: (a)

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. Who teaches you Mathematics?

(a) By whom are you taught Mathematics?

(b) By whom were you taught Mathematics?

(c) By whom will you be taught Mathematics?

(d) Mathematics is taught by whom?

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 don't know the answer. Do you"? She asked.

(a) She asked me if I knew the answer which she didn't.

(b) She said that she didn't know the answer and did I know it.

(c) She said that she didn't know the answer and asked me if i did.

(d) She told that she was not knowing the answer but wondered if I know.

Answer: (c)

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. Education is for life, not merely for a livelihood. As long as we are unmindful of this _____, the _____ of our educational curriculum as well as that of our _____ and students is likely to remain _____. It is not enough for a society to have experts. It needs human beings who can think, feel and act generously, the kind of people who cannot be replaced by computers and _____.

96. As long as we are unmindful of this _____,

(a) measure

(b) resource

(c) story

(d) truth

Answer: (d)

97. the _____ of our educational curriculum as well as

(a) efficiency

(b) effectiveness

(c) quality

(d) quantity

Answer: (c)

98. that of our _____ and students

(a) friends

(b) ideals

(c) parents

(d) teachers

Answer: (d)

99. is likely to remain _____. It is not enough for a society to have experts.
    (a) inadequate
    (b) indifferent
    (c) represented
    (d) unmeasurable

    Answer: (a)

100. the kind of people who cannot be replaced by computers and _____.
    (a) mechanics
    (b) monitors
    (c) robots
    (d) televisions

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

General Awareness

26	**(d)**	27	**(b)**	28	**(c)**	29	**(b)**	30	**(a)**	31	**(b)**	32	**(b)**	33	**(a)**
34	**(c)**	35	**(d)**	36	**(d)**	37	**(d)**	38	**(d)**	39	**(a)**	40	**(c)**	41	**(d)**
42	**(a)**	43	**(d)**	44	**(d)**	45	**(d)**	46	**(d)**	48	**(c)**	49	**(c)**	50	**(a)**

Quantitative Aptitude

51	**(b)**	52	**(c)**	53	**(a)**	54	**(d)**	56	**(c)**	57	**(a)**	58	**(a)**	59	**(b)**
65	**(d)**	69	**(b)**	72	**(b)**	73	**(c)**	74	**(b)**	75	**(a)**				

English Comprehension

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