PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 9 August 2017, Shift 3

SSC CGL · 9 August 2017 · 4:15 PM - 5:15 PM

84 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: 16 (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, 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-1-9-aug-shift-3/

General Intelligence and Reasoning

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

(a) Scale : Speed

(b) Seismograph : Density

(c) Barometer : Mass

(d) Anemometer : Wind

Answer: (d)

2. In the following question, select the related letters from the given alternatives. JPC : GMZ : : PUV : ?

(a) MRS

(b) MSR

(c) MQR

(d) RMS

Answer: (a)

3. In the following question, select the related number from the given alternatives. 5 : 130 : : 6 : ?

(a) 210

(b) 212

(c) 222

(d) 226

Answer: (c)

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

(a) Quick : Fast

(b) Lazy : Slow

(c) Credible : Deceptive

(d) Exhaust : Tired

Answer: (c)

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

(a) CD
(b) PR
(c) ST
(d) WX

Answer: (b)

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

(a) 234
(b) 345
(c) 243
(d) 432

Answer: (b)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Globe 2. Group 3. Glitch 4. Gap 5. Glade

(a) 42351
(b) 45321
(c) 43125
(d) 45312

Answer: (d)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. CEG, IKM, OQS, ?

(a) UWY
(b) UYX
(c) UVY
(d) TWY

Answer: (a)

9. In the following question, select the missing number from the given series. 7, 19, 42, 87, ?

(a) 136
(b) 176
(c) 172
(d) 216

Answer: (b)

10. Present age of A is 2 times the present age of B. After 8 years the B's age will be 4 times of C's present age. If C celebrated his fifth birthday 9 years ago, then what is the present age (in years) of A?

(a) 88
(b) 96
(c) 92
(d) 84

Answer: (b)

11. Pearl Towers is taller than Sky Towers but shorter than Unity Towers. Unity Towers and Cyber Towers are of same height. Pearl Towers is shorter than Indus Towers. Amongst the buildings, who is the second shortest?

(a) Pearl Tower

(b) Sky Tower

(c) Indus Tower

(d) Unity Tower

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. Legislator

(a) Raise

(b) Gist

(c) Legal

(d) Greater

Answer: (d)

13. In a certain code language, "MATCH" is written as "NYWYM" and "BOARD" is written as "CMDNI". How is "PRINT" written in that code language?

(a) YJLPQ

(b) ZIMOR

(c) ROMIZ

(d) QPLJY

Answer: (d)

14. If "+" denotes "divided by", "x" denotes "[illegible]", "÷" denotes "subtracted from" and "–" denotes "multiplied by", then 54 + 162 – 18 x 12 ÷ 6 = ?

(a) 4

(b) 16

(c) 12

(d) 10

Answer: (c)

15. If (3)2 @ 1 * 7 = 98 and (4)2 @ 2 * 16 = 178, then (5)2 @ 3 * 9 = ?

(a) 218

(b) 262

(c) 253

(d) 259

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 cups are plate. II. No plate is a shop. Conclusions: I. No cup is a shop. II. No shop is a plate.

(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. When there is only one buyer and one seller of product, it is called _____ situation.

(a) Public monopoly

(b) Bilateral monopoly

(c) Franchised monopoly

(d) Monopsony

Answer: (b)

27. Which among the following sponsors Regional Rural Banks (RRB'S)?

(a) Reserve Bank of India

(b) Foreign Banks

(c) National Commercial Banks

(d) Co-Operative Banks

Answer: (c)

28. Which of the following has the supreme command of the Indian Defence Forces?

(a) Prime Minister of India

(b) Defence Minister of India

(c) Council of Ministers of India

(d) President of India

Answer: (d)

29. Anti-defection law is given in which schedule of Indian constitution?

(a) Second Schedule

(b) Tenth Schedule

(c) Third Schedule

(d) Fourth Schedule

Answer: (b)

30. Who was the founder of Banaras Hindu University?
    (a) Sukumar Dutt
    (b) Madan Mohan Malvia
    (c) Dr. Rajendra Prasad
    (d) Motilal Nehru

    Answer: (b)

31. The second Battle of Tarain was fought between _____.
    (a) Alexander and Porus
    (b) Jai Chand and Mohammed Ghori
    (c) Akbar and Hemu
    (d) Mohammed Ghori and Prithviraj Chauhan

    Answer: (d)

32. Which of the following is the most abundant metal on Earth's crust?
    (a) Magnesium
    (b) Iron
    (c) Copper
    (d) Aluminium

    Answer: (d)

33. Soil having high content of aluminum and iron oxi s also known as _____.
    (a) meadow soil
    (b) pedalfer soil
    (c) chernozen soil
    (d) podzol soil

    Answer: (b)

34. Red rot is a disease caused to which of the following plant?
    (a) Paddy
    (b) Sugarcane
    (c) Mustard
    (d) Wheat

    Answer: (b)

35. Which among the following is not a connective tissue?
    (a) Blood
    (b) Bone
    (c) Skin
    (d) Cartilage

    Answer: (c)

36. Which of the following micro-organism causes diseases like polio and chicken pox?
    (a) Bacteria
    (b) Protozoa
    (c) Algae
    (d) Virus
    Answer: (d)

37. Convex mirror is generally used in _____.
    (a) solar cookers
    (b) opthalmoscope
    (c) reflector for head light
    (d) rear view mirror
    Answer: (d)

38. What is the SI unit of frequency?
    (a) Newton
    (b) Watt
    (c) Farad
    (d) Hertz
    Answer: (d)

39. Which among the following is a 'Modifier key'?
    (a) Control
    (b) Shift
    (c) Alt
    (d) All options are correct
    Answer: (d)

40. Which of the following is an Inert Gas?
    (a) Hydrogen
    (b) Nitrogen
    (c) Oxygen
    (d) Argon
    Answer: (d)

41. Ozone is an _____ of oxygen.
    (a) Allotrope
    (b) Isotope
    (c) Isobar
    (d) Isotone
    Answer: (a)

42. Red data book contains data of which of the following?
    (a) All plant species
    (b) All animal species
    (c) All endangered species
    (d) All extinct species

    Answer: (c)

43. Union Cabinet approves amendments in M-SIPS to attract investment in electronics manufacturing. What is the full form of M-SIPS?
    (a) Modified Sustainable Investment Package Scheme
    (b) Modified Special Information Package Scheme
    (c) Modified Special Incentive Package Scheme
    (d) Modern Socialist Incentive Package Scheme

    Answer: (c)

44. Who was the invertor of frozen foods?
    (a) Alfred Nobel
    (b) Clarence Birdseye
    (c) Frank Whittle
    (d) Ives McGaffey

    Answer: (b)

46. The Mosque with "shaking minarets" is situated in which Indian city?
    (a) Kanpur
    (b) Ahmedabad
    (c) Jaipur
    (d) Ranchi

    Answer: (b)

47. Who among the following was awarded with Padma Shri 2017 in the field of 'Culinary'?
    (a) Sanjeev Kapoor
    (b) Vikas Khanna
    (c) Ranveer Brar
    (d) Kunal Kapur

    Answer: (a)

48. 'The World Outside My Window' is written by which author?
    (a) Emily Bronte
    (b) Ruskin Bond
    (c) I. Jan Austen
    (d) Henry Fielding

    Answer: (b)

49. Due to incresed weapon launching missions of North Korea, which country has launched a spy satellite to monitor it?

(a) South Korea

(b) USA

(c) China

(d) Japan

Answer: (d)

50. With which of the following country, India has a land dispute near Tawang?

(a) Pakistan

(b) China

(c) Afghanistan

(d) Bangladesh

Answer: (b)

Quantitative Aptitude

51. How many times the keys of a typewriter have to be pressed in order to write numbers from 121 to 1346?

(a) 3675

(b) 4018

(c) 4021

(d) 4025

Answer: (d)

52. Sandy and Mandy do (8/13)th part of a work [illegible] the rest of the work was completed by Andy. If Sandy, Mandy and Andy take the same work for Rs 2600, then what is the share (in Rs) of Andy?

(a) 1600

(b) 1400

(c) 800

(d) 1000

Answer: (d)

53. A solid cone of height 24 cm and radius of its base 8 cm is melted to form a solid cylinder of radius 6 cm and height 6 cm. In the whole process what percent of material is wasted?

(a) 48.5

(b) 37.5

(c) 57.8

(d) 64

Answer: (c)

54. If two successive discounts of 20% and 30% are given, then what is the net discount (in %)?

(a) 40

(b) 44

(c) 56

(d) 60

Answer: (b)

55. In what ratio sugar at Rs 30/kg should be mixed with sugar at Rs 45/kg so that on selling the mixture at Rs 42/kg there is a profit of 20%?

(a) 2 : 1

(b) 2 : 3

(c) 5 : 2

(d) 3 : 7

Answer: (a)

56. Average of 11 numbers is 7. If every number is doubled, then what will be the new average of the numbers?

(a) 3.5

(b) 7

(c) 10.5

(d) 14

Answer: (d)

57. A trader sold an article at profit of 20%. Had he bought that article at 60% less price and sold it at Rs 90 less, then he would have gained 50%. What is the value (in Rs) of cost price?

(a) 150

(b) 200

(c) 250

(d) 300

Answer: (a)

58. Amit donated 20% of his income to a school and deposited 20% of the remainder in his bank. If he is having Rs 12800 now, then what is the income (in Rs) of Amit?

(a) 18000

(b) 20000

(c) 24000

(d) 32000

Answer: (b)

59. Two trains are moving in the opposite directions at speed of 43 km/h and 51 km/h respectively. The time taken by the slower train to cross a man sitting in the faster train is 9 seconds. What is the length (in metres) of the slower train?

(a) 235

(b) 338.4

(c) 470

(d) 940

Answer: (a)

60. A certain sum of money amounts to Rs 918 in 2 years and Rs 969 in 3.5 years at simple interest. What is the rate of interest (in %)?

(a) 4

(b) 5

(c) 6

(d) 8

Answer: (a)

61. If 4(x+y) = 256 and (256)(x-y) = 4, then what is the value of x and y?

(a) 17/8, 15/8

(b) 17/4, 15/4

(c) 9/17, 15/17

(d) 8/17, 8/15

Answer: (a)

62. If the expression px3 – qx2 – 7x – 6 is completely divisible by x2 – x – 6, then what is the value of p and q respectively?

(a) 0, 1

(b) 1, 0

(c) 2, 1

(d) 1, 2

Answer: (b)

63. If the expression px3 – 2×2 – qx + 18 is completely divisible by (x2 – 9), then what is the ratio between p and q respectively?

(a) 1:9

(b) 1:3

(c) 3:1

(d) 9:1

Answer: (a)

65. In triangle ABC, ∠ABC = 90°. BP is drawn perpendicular to AC. If ∠BAP = 50°, then what is the value (in degrees) of ∠PBC?

(a) 30

(b) 45

(c) 50

(d) 60

Answer: (c)

66. In triangle PQR, the sides PQ and PR are produced to A and B respectively. The bisectors of ∠AQR and ∠BRQ intersect at point O. If ∠QOR = 50°, then what is the value (in degrees) of ∠QPR?

(a) 50

(b) 60

(c) 80

(d) 100

Answer: (c)

71. What is the simplified value of (cosec4 A – cot2 A) – (cot4 A + cosec2 A)?

(a) 0

(b) 5

(c) 6

(d) 9

Answer: (a)

72. What is the percentage increase in the number audience in Screen 1 from second show to third show?

(a) 50

(b) 100

(c) 120

(d) 150

Answer: (b)

73. For the second show the number of audience in Screen 3 is how much more than the number of audience in Screen 1 ?

(a) 500

(b) 350

(c) 400

(d) 450

Answer: (c)

74. What is the percentage increase in the total number of audience from second show to third show?

(a) 20.69

(b) 25.13

(c) 22.24

(d) 18.15

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'. My brother finds it difficult (1)/ to pass away the time (2)/ at our grandparent's house. (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 option. If a sentence is free from error, select 'No Error'. No sooner had he finished (1)/ his morning walk (2)/ when it began to rain. (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. _____ you work hard, you cannot succeed.

(a) If

(b) Till

(c) Until

(d) Unless

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. Corruption is a standing hindrance _____ the nation's development.

(a) of

(b) over

(c) to

(d) upon

Answer: (c)

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

(a) Activity

(b) Drowsy

(c) Modest

(d) Pleasure

Answer: (b)

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

(a) Defraud

(b) Illicit

(c) Secret

(d) Stare

Answer: (a)

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

(a) Adroit

(b) Handy

(c) Pliable

(d) Simple

Answer: (d)

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

(a) Bold

(b) Calm

(c) Fear

(d) Violent

Answer: (b)

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

(a) Loose temper

(b) To delay a little longer

(c) To die

(d) To meet with an accident

Answer: (c)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. An axe to grind

(a) To act bravely

(b) To act like a fool

(c) To have a selfish motive

(d) To take risk

Answer: (c)

86. Improve the bracketed part of the sentence. We (are looking forward for) a positive response from you.

(a) are looking forward to

(b) have been looking forward at

(c) should look forward at

(d) No improvement

Answer: (a)

87. Improve the bracketed part of the sentence. He (promised to mend) his ways.

(a) had a promised to mending

(b) promised for mending

(c) was promised of mending

(d) No improvement

Answer: (d)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One who is determined to take full revenge for wrongs done to him

(a) Enmity

(b) Nigger

(c) Pedantic

(d) Vindictive

Answer: (d)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. Just punishment for wrong doing

(a) Dandy

(b) Nemesis

(c) Prodigy

(d) Wagon

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) Continuous

(b) Glamoros

(c) Meticulous

(d) Vicious

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) Secondary

(b) Sizable

(c) Succumb

(d) Sustanence

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- To those who have known comfort, discomfort is a real torture. Q- Comfort is now one of the causes of its own spread. R- The more comfort is brought into the world, the more it is likely to be valued. S- It has now become a physical habit, a fashion, an ideal to be pursued for its own sake.

(a) QRSP

(b) QPRS

(c) QPSR

(d) QSRP

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- In that frame of mind, we have little sense of identity, safety or security. Q- Courage is required to explore our secret life because we must first withdraw from the social mirror, where we are fed positive and negative feedback continuously. S- As we get used to this social feedback, it becomes a comfort zone. R- And we may opt to avoid self examination and idle away our time in a vacuum of reverie and rationalization.

(a) QSRP

(b) QRSP

(c) SQRP

(d) SRQP

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. The kids were laughing at the old lady.

(a) The old lady is laughing at the kids.

(b) The old lady was being laughed at by the kids.

(c) The old lady was being laughed by the kids.

(d) The old lady was laughed at by the kids.

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. "Do you want some more chocolates?" asked my cousin.

(a) My cousin asked me if I want some more chocolates.

(b) My cousin said to me if I wanted some more chocolates.

(c) My cousin asked me that I wanted some more chocolates.

(d) My cousin asked me whether I wanted some more chocolates.

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. An independent, able and upright judiciary is the hallmark of a free _____ country therefore, the process of judicial appointment is of _____ importance. At present on account of the Supreme Court's last advisory opinion, the _____ of the executive and its interference in the appointment of judges is _____ which in light of previous is most _____.

96. An independent, able and upright judiciary is the hallmark of a free _____ country

(a) autocratic

(b) democratic

(c) liberal

(d) participative

Answer: (b)

97. therefore, the process of judicial appointment is of _____ importance.

(a) mere

(b) mourn

(c) social

(d) vital

Answer: (d)

98. At present on account of the Supreme Court's last advisory opinion, the _____ of the executive

(a) career

(b) future

(c) role

(d) plight

Answer: (c)

99. and its interference in the appointment of judges is _____

(a) maximum

(b) minimal

(c) negotiable

(d) reasonable

Answer: (b)

100. which in light of previous is most _____.

(a) adhered

(b) neglected

(c) rejected

(d) welcomed

Answer: (d)

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

General Awareness

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

Quantitative Aptitude

51	**(d)**	52	**(d)**	53	**(c)**	54	**(b)**	55	**(a)**	56	**(d)**	57	**(a)**	58	**(b)**
59	**(a)**	60	**(a)**	61	**(a)**	62	**(b)**	63	**(a)**	65	**(c)**	66	**(c)**	71	**(a)**
72	**(b)**	73	**(c)**	74	**(a)**										

English Comprehension

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