PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 17 August 2017, Shift 3

SSC CGL · 17 August 2017 · 4:15 PM - 5:15 PM

91 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: 9 (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 17 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-1-17-aug-shift-3/

General Intelligence and Reasoning

1. Select the related word from the given alternatives. Tongue : Taste :: Nose : ?
   (a) Smell
   (b) Face
   (c) Touch
   (d) Chin
   Answer: (a)

2. Select the related letters from the given alternatives. FDH : LJN :: RPT : ?
   (a) XYZ
   (b) WUY
   (c) XVZ
   (d) SUV
   Answer: (c)

3. Select the related number from the given alternatives. 39 : 52 :: 51 : ?
   (a) 53
   (b) 40
   (c) 68
   (d) 38
   Answer: (c)

4. Select the odd word from the given alternatives.
   (a) Nylon
   (b) Wool
   (c) Silk
   (d) Cotton
   Answer: (a)

5. Select the odd letters from the given alternatives.

(a) ZXV

(b) GDA

(c) NKH

(d) URO

Answer: (a)

6. Select the odd number from the given alternatives.

(a) 15

(b) 20

(c) 40

(d) 60

Answer: (a)

7. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. Pension, Aptitude, Captain, Tropical, Survive, ?

(a) Parrot

(b) Apply

(c) Trap

(d) Tetrapod

Answer: (d)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. DEC, HIG, LMK, PQO, TUS

(a) XYZ

(b) WXY

(c) XYW

(d) YZA

Answer: (c)

9. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. 100, -20, 4, ? , 0.16, -0.032

(a) 0.8

(b) 1

(c) -1

(d) -0.8

Answer: (d)

10. Chirag's birthday is on Thursday 1st June. On what day of the week will be Reyansh's Birthday in the same year if Reyansh was born on 3rd December?

(a) Wednesday

(b) Sunday

(c) Friday

(d) Saturday

Answer: (b)

11. The weights of 4 boxes are 20, 40, 50 and 30 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes and in a combination a box can be used only once?

(a) 140

(b) 130

(c) 90

(d) 120

Answer: (b)

12. From the given words, select the word which cannot be formed using the letters of the given word. ORDINALS

(a) DINAR

(b) ADORN

(c) SALON

(d) IDEAL

Answer: (d)

13. If QUICKLY is coded as OSGAIJW, then how will HUE be coded as?

(a) ZMA

(b) FSC

(c) HZK

(d) HNI

Answer: (b)

14. In a certain code language, '+' represents '×', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question? 42 x 7 ÷ 7 + 9 - 62 = ?

(a) 5

(b) 87

(c) 22

(d) 2

Answer: (a)

15. If 17@1=8; 9@1=4; 6@4=1; then what is the value of 8@2=?

(a) 3

(b) 26

(c) 23

(d) 47

Answer: (a)

17. A truck travels 36 km North, then it turns West and travels 9 km, then it turns South and travels 50 km, then it turns to its left and travels 9 km. Where is it now with reference to its starting position?

(a) 14 km North

(b) 86 km South

(c) 86 km North

(d) 14 km South

Answer: (d)

18. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements. Statement 1 : Some clever are intelligent. Statement 2 : No intelligent is Smart. Conclusion I : Some intelligent are clever. Conclusion II : Some smart are clever.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both I and II follow

(d) Neither I nor II follows

Answer: (a)

General Awareness

26. In a market system, the central problems regarding how much and what to produce are solved through the coordination of economic activities brought about by _____ signals.

(a) Supply

(b) Demand

(c) Price

(d) Stock Market

Answer: (c)

27. _____ says that the marginal product of a factor input initially rises with its employment level. But after reaching a certain level of employment, it starts falling.

(a) Law of diminishing marginal product

(b) Law of variable proportions

(c) The Short Run

(d) The Long Run

Answer: (b)

28. Constituent Assembly of India was founded in the year _____.

(a) 1940

(b) 1946

(c) 1947

(d) 1950

Answer: (b)

29. Which Fundamental Right in the Indian Constitution allows citizens to move the court if they believe that any of their Fundamental Rights have been violated by the State?
    (a) Cultural and Educational Rights
    (b) Right to Constitutional Remedies
    (c) Right against Exploitation
    (d) Right to Freedom of Religion

    Answer: (b)

30. During their rule the British persuaded or forced cultivators in Punjab to grow _____.
    (a) Jute
    (b) Tea
    (c) Sugarcane
    (d) Wheat

    Answer: (d)

31. The Red fort in Delhi was the residence of emperors of which dynasty in the 16th century?
    (a) Rajput
    (b) Khalji
    (c) Tughluq
    (d) Mughal

    Answer: (d)

32. India has a land boundary of about _____ km.
    (a) 5200
    (b) 10200
    (c) 15200
    (d) 20200

    Answer: (c)

33. The Patkai hills belong to which mountain ranges?
    (a) Himachal
    (b) Purvanchal
    (c) Himgiri
    (d) Hindu Kush

    Answer: (b)

34. RBCs are formed in the _____ in the adults.
    (a) blue bone marrow
    (b) red bone marrow
    (c) white bone marrow
    (d) black bone marrow

    Answer: (b)

35. The later (second) formed primary xylem elements are called _____.
    (a) Protoxylem
    (b) Metaxylem
    (c) Xylem parenchyma
    (d) Xylem fibres

    Answer: (b)

36. Which of the following does not hold true for Animal belonging to Phylum Chordate?
    (a) Notochord present
    (b) Pharynx perforated by gill slits.
    (c) Heart is dorsal (if present)
    (d) A post-anal part (tail) is present

    Answer: (c)

37. In science a push or pull of an object is called _____.
    (a) Pick
    (b) Lift
    (c) Force
    (d) Shut

    Answer: (c)

38. There are how many vocal cords in the human voice box?
    (a) One
    (b) Two
    (c) Three
    (d) Four

    Answer: (b)

39. The attribute _____ specifies (in pixels) the distance between two adjacent cells.
    (a) Width
    (b) Height
    (c) Cellpadding
    (d) Cellspacing

    Answer: (d)

40. What is the name of the acid in an ant's sting?
    (a) Acetic acid
    (b) Citric acid
    (c) Formic acid
    (d) Lactic acid

    Answer: (c)

41. Which base is present in soap?
    (a) Sodium hydroxide
    (b) Silicon dioxide
    (c) Calcium hydroxide
    (d) Ammonium hydroxide

    Answer: (a)

42. Any undesirable change in physical, chemical or biological characteristics of air, land, water or soil is called?
    (a) Greenhouse effect
    (b) Solid wastes
    (c) Pollution
    (d) Deforestation

    Answer: (c)

43. _____ scheme was launched by the Central Government to create awareness about the cleanliness of the children.
    (a) Sukanya Samridhi Yojana
    (b) Bal Swachta Mission
    (c) Pradhan Mantri Jan Dhan Yojana
    (d) Beti Bachao Beti Padhao Yojana

    Answer: (b)

44. Who discovered the colour photography?
    (a) Robert Noyce
    (b) Enrico Fermi
    (c) John Logie Baird
    (d) James Clerk Maxwell

    Answer: (d)

45. Who was the host nation of 2014 FIFA World Cup?
    (a) Argentina
    (b) Netherlands
    (c) Germany
    (d) Brazil

    Answer: (d)

46. Jama Masjid of Delhi was built by?
    (a) Akbar
    (b) Humayun
    (c) Babar
    (d) Shah Jahan

    Answer: (d)

47. Which of the following won the Oscars 2017 Best Picture?

(a) La La Land

(b) Moonlight

(c) Arrival

(d) Fences

Answer: (b)

48. Which of the statements given below are correct? 1. The author of the novel 'Half of a Yellow Sun' is Chimamanda Ngozi Adichie. 2. The author of the novel 'Middlesex' is Jeffrey Eugenides. 3. The author of the novel 'Missile Gap' is China Mieville.

(a) 1 and 2

(b) 2 and 3

(c) 1 and 3

(d) 1, 2 and 3

Answer: (a)

49. Which company acquired LinkedIn For $26.2 Billion?

(a) Apple

(b) Facebook

(c) Microsoft

(d) IBM

Answer: (c)

50. Which of the following rivers flows from India to Pakistan?

(a) Satluj

(b) Ghaghra

(c) Betwa

(d) Tapi

Answer: (a)

Quantitative Aptitude

51. What least number must be added to 4131, so that the sum is completely divisible by 19?

(a) 10

(b) 11

(c) 9

(d) 12

Answer: (b)

52. A, B and C can finish a job working alone in 12, 8 and 24 days respectively. In how many days they can finish the job if they worked together?

(a) 5
(b) 6
(c) 4
(d) 3

Answer: (c)

53. What is the area (in sq cm) of an equilateral triangle of side 14 cm?

(a) 49√3
(b) 98√3
(c) (49/2)√3
(d) (49/4)√3

Answer: (a)

54. What is the effective discount (in %) on two successive discounts of 20% and 10%?

(a) 30
(b) 32
(c) 35
(d) 28

Answer: (d)

55. Profit of Rs 1,03,500 has to be divided between the partners A, B and C in the ratio 11:7:5. How much amount (in Rs) does B get? 1,03,500

(a) 22,500
(b) 49,500
(c) 50,500
(d) 31,500

Answer: (d)

56. The average weight of P, Q and R is 45 kg. If the average weight of P and Q be 36.5 kg and that of Q and R be 52 kg, then what is the weight (in kgs) of Q?

(a) 42
(b) 44
(c) 46
(d) 48

Answer: (a)

57. A shopkeeper by selling 21 items earns a profit equal to the selling price of 1 item. What is his profit percentage?

(a) 5.5
(b) 2.2
(c) 2
(d) 5

Answer: (d)

58. What is the value of 10% of 150% of 400?

(a) 600

(b) 50

(c) 500

(d) 60

Answer: (d)

59. To cover a distance of 144 km in 3.2 hours what should be the average speed of the car in meters/second?

(a) 12.5

(b) 10

(c) 7.5

(d) 15

Answer: (a)

60. If in 2 years at simple interest the principal increases by 18%, what will be the compound interest (in Rs) earned on Rs 7000 in 3 years at the same rate?

(a) 1865.2

(b) 2065.2

(c) 1965.2

(d) 1765.2

Answer: (b)

61. If x/3 - [5(7x/5 - 4/3)]/2 = -x/6, then what is the ue of x?

(a) 10/9

(b) -10/9

(c) -9/10

(d) 9/10

Answer: (a)

62. If a3 + b3 = 19 and a + b = 1, then what is the value of ab?

(a) 5

(b) -6

(c) 7

(d) -9

Answer: (b)

63. A fraction is greater than its reciprocal by (72)/(77). What is the fraction?

(a) 7/11

(b) 11/7

(c) 4/7

(d) 7/4

Answer: (b)

64. What is the sum of the first 12 terms of an arithmetic progression if the first term is -19 and last term is 36?

(a) 192

(b) 230

(c) 102

(d) 214

Answer: (c)

65. What is the reflection of the point (-2, 5) in the line x = -1?

(a) (-2 , -7)

(b) (0 , 5)

(c) (2 , 5)

(d) (-2 , 7)

Answer: (b)

66. Point P is the midpoint of segment AB. Co-ordinates of P are (3 , 1) and B are (5, -4). What are the co-ordinates of point A?

(a) (-1 , 7)

(b) (1 , -7)

(c) (1 , 6)

(d) (-1 , -7)

Answer: (c)

67. What is the slope of the line perpendicular to the line passing through the points (-5 , 1) and (-2 , 0)?

(a) -3

(b) 3

(c) -1/3

(d) 1/3

Answer: (c)

68. ΔABC is similar to ΔPQR. If ratio of perimeter of ΔABC : perimeter of ΔPQR is 5:9 and if PQ = 45 cm, then the length of AB (in cm) is?

(a) 15

(b) 20

(c) 25

(d) 16

Answer: (c)

69. What is the value of $(1/\sqrt{2})$ Cot 45° + $(1/\sqrt{3})$ Cosec 60°?

(a) $(\sqrt{6} + 1)/\sqrt{3}$

(b) $\sqrt{3}$

(c) $(1 + 3\sqrt{2})/\sqrt{3}$

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

Answer: (d)

70. Δ ABC is right angled at B. If m∠A = 60°, then what is the value of sec C.sin A?
(a) 2/√3
(b) √3/2
(c) 2/3
(d) 1
Answer: (d)

71. If Tan θ = 7/24, then what is the value of Sec θ?
(a) 24/25
(b) 24/7
(c) 25/7
(d) 25/24
Answer: (d)

72. Which airline sold the second highest number of tickets?
(a) E
(b) A
(c) B
(d) D
Answer: (a)

73. Airline E sold how many more tickets than Airline A?
(a) 25
(b) 16
(c) 20
(d) 10
Answer: (c)

74. The ratio of tickets sold by Airlines A and D to tickets sold by Airline E is?
(a) 3 : 4
(b) 4 : 3
(c) 2 : 3
(d) 4 : 1
Answer: (b)

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'. She was so (1)/ near to (2)/ achieving her goal. (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'. He watched as fights (1)/ broke out (2)/ along the city. (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. Everyone was pleased to learn the actor would _____ his role as the captivating pirate.

(a) reprise

(b) rescue

(c) save

(d) free

Answer: (a)

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. The diamond necklace was _____ too extravagant for a simple dinner party.

(a) distance

(b) long

(c) very much

(d) far

Answer: (d)

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

(a) Conformity

(b) Surety

(c) Bias

(d) Evidence

Answer: (c)

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

(a) To commend

(b) To laud

(c) To exonerate

(d) To admonish

Answer: (d)

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

(a) Adoration

(b) Contempt

(c) Reverence

(d) Admiration

Answer: (b)

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

(a) Dicey

(b) Debatable

(c) Indubious

(d) Hazy

Answer: (c)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. To hit the nail on the head

(a) To take out frustration by beating a person

(b) To make a wrong decision

(c) To find exactly the right answer

(d) To unwittingly fall into a trap

Answer: (c)

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

(a) To keep failing after repeated efforts

(b) To endure a harsh winter

(c) To keep one's cool even in a tough situation

(d) In a precarious or risky situation

Answer: (d)

86. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". All (was surprising) to find that he was not with them.

(a) was surprised

(b) were surprised

(c) is surprised

(d) no improvement

Answer: (b)

87. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". Read in order (become) wise.

(a) to have to be

(b) to have become

(c) to become

(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 words/sentence. Showing strong feeling

(a) Meek

(b) Vehement

(c) Apathetic

(d) Impotent

Answer: (b)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. A sheath for the blade of a sword

(a) Scabbard

(b) Denude

(c) Divulge

(d) Expose

Answer: (a)

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

(a) Litegants

(b) Litigents

(c) Litigants

(d) Litegents

Answer: (c)

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

(a) Stoically

(b) Stoicaly

(c) Stoecally

(d) Stoecaly

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. The space in front of the large X-hut was empty, but Y-placed several stools Z-before it were

(a) XYZ

(b) XZY

(c) ZYX

(d) ZXY

Answer: (b)

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. From our common experience X-of the relation of the Y-mental he starts out Z-physical and the

(a) XYZ

(b) XZY

(c) ZYX

(d) ZXY

Answer: (b)

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 maid vacuums and dusts the house every day.

(a) Every day the house is vacuumed and dusted by the maid.

(b) Every day the house were vacuumed and dusted by the maid.

(c) Dusting and Vacuuming of the house every day is being done by the maid.

(d) Dusting and Vacuuming of the house every day was being done by the maid.

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. The spectators said, "Bravo! Good hit, Jay!"

(a) The spectators applauded Jay for his good hit.

(b) The spectators applauded Jay saying, bravo, good hit Jay.

(c) The spectators applaud Jay for his good hit.

(d) The spectators applaud Jay saying, bravo, good hit Jay.

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. And then, a few glorious minutes _____, it was time to reluctantly head ashore. _____ time, the strokes were more fluid, the movements more relaxed. I turned back one last time _____ hello to a clown fish, the reason why I came to the Andamans. As I watched, it played hide-and-seek _____ a sea anemone, before frisking away. Suddenly, I realised a kinship with the blue waters _____ the Bay of Bengal.

96. a few glorious minutes _____, it was time to reluctantly head ashore.
    (a) late
    (b) later
    (c) lately
    (d) latest
    Answer: (b)

97. _____ time, the strokes were more fluid
    (a) These
    (b) Those
    (c) At
    (d) This
    Answer: (d)

98. I turned back one last time _____ hello to a clown fish, the reason
    (a) to say
    (b) said
    (c) saying
    (d) says
    Answer: (a)

99. hide-and-seek _____ a sea anemone, before fr ng away.
    (a) to
    (b) for
    (c) from
    (d) with
    Answer: (d)

100. kinship with the blue waters _____ the Bay of Bengal.
    (a) for
    (b) from
    (c) to
    (d) of
    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	**(a)**	2	**(c)**	3	**(c)**	4	**(a)**	5	**(a)**	6	**(a)**	7	**(d)**	8	**(c)**
9	**(d)**	10	**(b)**	11	**(b)**	12	**(d)**	13	**(b)**	14	**(a)**	15	**(a)**	17	**(d)**
18	**(a)**														

General Awareness

26	**(c)**	27	**(b)**	28	**(b)**	29	**(b)**	30	**(d)**	31	**(d)**	32	**(c)**	33	**(b)**
34	**(b)**	35	**(b)**	36	**(c)**	37	**(c)**	38	**(b)**	39	**(d)**	40	**(c)**	41	**(a)**
42	**(c)**	43	**(b)**	44	**(d)**	45	**(d)**	46	**(d)**	47	**(b)**	48	**(a)**	49	**(c)**
50	**(a)**														

Quantitative Aptitude

51	**(b)**	52	**(c)**	53	**(a)**	54	**(d)**	55	**(d)**	56	**(a)**	57	**(d)**	58	**(d)**
59	**(a)**	60	**(b)**	61	**(a)**	62	**(b)**	63	**(b)**	64	**(c)**	65	**(b)**	66	**(c)**
67	**(c)**	68	**(c)**	69	**(d)**	70	**(d)**	71	**(d)**	72	**(a)**	73	**(c)**	74	**(b)**

English Comprehension

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