

PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 23 August 2017, Shift 3

SSC CGL · 23 August 2017 · Shift 3

86 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: 14 (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 23 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-1-23-aug-shift-3/

General Intelligence and Reasoning

1. Select the related word from the given alternatives. Car : Steering wheel :: Motorcycle : ?

- (a) Tyre
- (b) Headlight
- (c) Engine
- (d) Handle bar

Answer: (d)

2. Select the related letters from the given alternatives. EFG : VUT :: JIH : ?

- (a) SUW
- (b) QRS
- (c) QSU
- (d) HFD

Answer: (b)

3. Select the related number from the given alternatives. 0.02 : 0.002 :: 1/3 : ?

- (a) 0.333
- (b) 1/30
- (c) 0.003
- (d) 3

Answer: (b)

4. Select the odd word from the given alternatives.

- (a) Bat
- (b) Umpire
- (c) Stumps
- (d) Bails

Answer: (b)

5. Select the odd letters from the given alternatives.

- (a) ECA
- (b) GIK
- (c) QOM
- (d) WUS

Answer: (b)

6. Select the odd number from the given alternatives.

- (a) 133
- (b) 253
- (c) 231
- (d) 209

Answer: (a)

7. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. rupees, arena, pursue, spare, separate, ?

- (a) rapid
- (b) pusher
- (c) person
- (d) super

Answer: (b)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. U, T, R, O, K ?

- (a) G
- (b) H
- (c) E
- (d) F

Answer: (d)

9. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. -7.25, -5.75, -4.25, -2.75, ? , 0.25

- (a) 1.25
- (b) -1.25
- (c) 1.5
- (d) -1.5

Answer: (b)

10. Aarush's birthday is on Thursday 27th April. On what day of the week will be Mitul's Birthday in the same year if Mitul was born on 28th September?

- (a) Monday
- (b) Thursday
- (c) Wednesday
- (d) Tuesday

Answer: (b)

11. The weights of 4 boxes are 20, 30, 40 and 60 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) 150
- (b) 110
- (c) 130
- (d) 140

Answer: (d)

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

- (a) BLUE
- (b) NUMB
- (c) LUNG
- (d) GLUM

Answer: (a)

13. If FOREIGN is coded as ULIVRTM, then how will SAP be coded as?

- (a) NOL
- (b) PLQ
- (c) GYP
- (d) HZK

Answer: (d)

14. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question? $25 + 10 \div 240 \times 16 = ?$

- (a) 85
- (b) 235
- (c) 12
- (d) 20

Answer: (b)

15. If $9\#3=6$; $15\#3=9$; $60\#4=32$; then what is the value of $27\#3=?$

- (a) 24
- (b) 15
- (c) 13
- (d) 33

Answer: (b)

17. Priya cycles 5 km North, then turns East and cycles 4 km, then turns South and cycles 5 km, then turns to her right and cycles 6 km. Where is she now with reference to her starting position?

- (a) 2 km East
- (b) 2 km West
- (c) 10 km West
- (d) 10 km East

Answer: (b)

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 : No squares are rectangles. Statement 2 : All rectangles are triangles. Conclusion I : Some triangles are squares. Conclusion II : Some triangles are rectangles.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) Neither I nor II follows

Answer: (b)

General Awareness

26. The marginal product curve is inverse ____ shaped

- (a) X
- (b) W
- (c) V
- (d) U

Answer: (d)

27. Goods which are consumed together are called?

- (a) Inferior goods
- (b) Normal goods
- (c) Complementary goods
- (d) Substitute goods

Answer: (c)

28. "Public health and sanitation; hospitals and dispensaries" is listed in the _____ list given in the Seventh Schedule in the Constitution of India.

- (a) Union
- (b) State
- (c) Global
- (d) Concurrent

Answer: (b)

29. _____ elects the President and the Vice President and removes judges of Supreme Court and High Court.

- (a) Ministry of Defence
- (b) Lok Sabha
- (c) Prime Minister's Office
- (d) Securities and Exchange Board of India

Answer: (b)

30. According to the categories of land mentioned in the Chola inscriptions _____ was known as the land gifted to Brahmanas?

- (a) Vellanvagai
- (b) Brahmadeya
- (c) Shalabhoga
- (d) Devadana

Answer: (b)

31. Prithviraja III (1168-1192) was a best known _____ ruler.

- (a) Chahamanas
- (b) Gahadavala
- (c) Chalukya
- (d) Brahmana

Answer: (a)

32. _____ is the wearing away of the landscape by different agents like water, wind and ice.

- (a) Weathering
- (b) Attrition
- (c) Erosion
- (d) Abrasion

Answer: (c)

33. The method of soil conservation in which bare ground between plants is covered with layer of organic matter like straw is called?

- (a) Mulching
- (b) Contour barriers
- (c) Rock dam
- (d) Terrace farming

Answer: (a)

34. Classes comprising animals like fishes, amphibians, reptiles, birds along with mammals constitute the category called?

- (a) Species
- (b) Genus
- (c) Kingdom
- (d) Phylum

Answer: (d)

35. The predominant stage of the life cycle of a moss is the gametophyte which consists of two stages. The first stage is the _____ stage.

- (a) Agar
- (b) Leafy
- (c) Chlorella
- (d) protonema

Answer: (d)

36. _____ is the largest phylum of Animalia which includes insects.

- (a) Annelida
- (b) Chordata
- (c) Arthropoda
- (d) Platyhelminthes

Answer: (c)

37. For an object, the state of rest is considered to be the state of _____ speed.

- (a) increasing
- (b) decreasing
- (c) inverse
- (d) zero

Answer: (d)

38. The laws which govern the motion of planets are called _____.

- (a) Newton's Laws
- (b) Kepler's Laws
- (c) Avogadro's Laws
- (d) De Morgan's Laws

Answer: (b)

39. In Microsoft Word, _____ allows us to change the color of selected text.

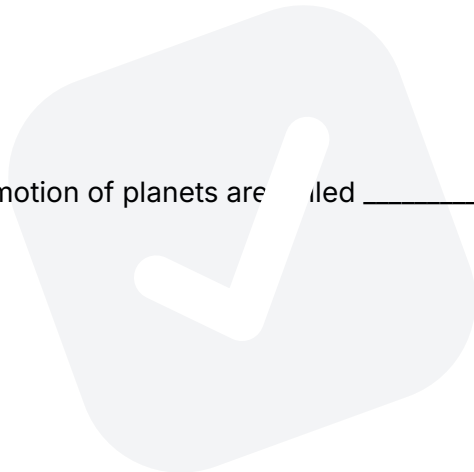
- (a) Font Color
- (b) Text Color
- (c) Change Color
- (d) Background Color

Answer: (a)

40. Brownish film formed on iron when left in open is called?

- (a) Dust
- (b) Shovel
- (c) Spade
- (d) Rust

Answer: (d)



41. The substances which have very low ignition temperature and can easily catch fire with a flame are called _____ substances.

- (a) hazardous
- (b) perilous
- (c) incombustible
- (d) inflammable

Answer: (d)

42. Many freshwater animals cannot live for long in sea water and vice versa because of the _____ problems, they would face.

- (a) Osmotic
- (b) Eurythermal
- (c) Stenothermal
- (d) Hydrothermal

Answer: (a)

43. _____ scheme has been introduced by the Central Government to provide equal primary education to all budding children across India.

- (a) Gram Uday Se Bharat Uday Abhiyan
- (b) Pradhan Mantri Ujjwala Yojana
- (c) Pradhan Mantri Surakshit Matritva Yojana
- (d) Vidyanjali Yojana

Answer: (d)

44. Who discovered Insulin?

- (a) Sir Alexander Fleming
- (b) Frederick Banting
- (c) James Watt
- (d) Sir F.G. Hopkins

Answer: (b)

45. Which nation will host the Summer Olympics in the year 2020?

- (a) China
- (b) South Korea
- (c) Canada
- (d) Japan

Answer: (d)

46. Dhamek Stupa was built by?

- (a) Akbar
- (b) Humayun
- (c) Ashoka
- (d) Narasimha

Answer: (c)

47. Which of the following is India's highest award in cinema given annually by the Government of India for lifetime contribution to Indian cinema?

- (a) Ashok Chakra
- (b) Dada Saheb Phalke Awards
- (c) Arjuna Award
- (d) Padma Shri

Answer: (b)

48. Which of the statements given below are correct? 1. The author of the novel 'Air' is Geoff Ryman. 2. The author of the novel 'Ulysses' is James Joyce. 3. The author of the novel 'The Great Gatsby' is F. Scott Fitzgerald.

- (a) 1 and 2
- (b) 2 and 3
- (c) 1 and 3
- (d) 1, 2 and 3

Answer: (d)

49. In 2016, which company lost high profile legal battles with HP and Google?

- (a) Oracle
- (b) Apple
- (c) Microsoft
- (d) Intel

Answer: (a)

50. Which of the following is a major river in Bangladesh which is also the main distributary of the Ganges?

- (a) Gandak
- (b) Kosi
- (c) Gomati
- (d) Padma

Answer: (d)

Quantitative Aptitude

51. What least number must be subtracted from 518, so that the sum is completely divisible by 13?

- (a) 11
- (b) 10
- (c) 9
- (d) 12

Answer: (a)

52. A and B together do a job in 12 days and A could do the job in 20 days if he worked alone. How many days would B take to do the job if he worked alone?

- (a) 30
- (b) 25
- (c) 24
- (d) 15

Answer: (a)

53. What is the area (in sq cm) of a regular hexagon of side 9 cm?

- (a) $50\sqrt{3}$
- (b) $300\sqrt{3}$
- (c) $243\sqrt{3}/2$
- (d) $200\sqrt{3}$

Answer: (c)

54. If 1 shirt is offered free on purchase of 4 shirts, what is the effective discount (in %) on each shirt?

- (a) 25
- (b) 20
- (c) 16
- (d) 24

Answer: (b)

55. The ratio of present ages of P and Q is 7:9. Before 10 years the ratio of their ages was 5:7. What is Q's present age (in years)?

- (a) 35
- (b) 45
- (c) 25
- (d) 55

Answer: (b)

56. The average marks of 40 students in an examination was 34. It was later found that the marks of one student had been wrongly entered as 62 instead of 26. what is the correct average?

- (a) 33.1
- (b) 33.3
- (c) 33.5
- (d) 33.7

Answer: (a)

57. A wholesaler sells a good to a retailer at a profit of 5% and the retailer sells it to a customer at a profit of 10%. If the customer pays Rs. 2,000, what had it cost (in Rs) the wholesaler?

- (a) 1731.6
- (b) 3210.6
- (c) 1931.6
- (d) 2310.6

Answer: (a)

58. When a number is increased by 69, it becomes 103% of itself. What is the number?

- (a) 1300
- (b) 3300
- (c) 2300
- (d) 4300

Answer: (c)

59. A boat goes a certain distance at 40 km/hr and comes back the same distance at 24 km/hr. What is the average speed (in km/hr) for the total journey?

- (a) 32
- (b) 28
- (c) 34
- (d) 30

Answer: (d)

60. A sum fetched a total simple interest of Rs.5,400 at the rate of 12.5 %/yr in 4 years. What is the sum (in Rs)?

- (a) 11800
- (b) 12800
- (c) 9800
- (d) 10800

Answer: (d)

61. If $\frac{2}{3}(6x/5 - 1/4) + 1/3 = 9x/5$, then what is the value of x?

- (a) 1/6
- (b) -1/6
- (c) 1/5
- (d) -1/5

Answer: (a)

62. If $a^3 + b^3 = 341$ and $ab = 30$, then what is the value of $a + b$?

- (a) 1
- (b) 9
- (c) 7
- (d) 11

Answer: (d)

63. Sum of a fraction and thrice its reciprocal is $31/6$. What is the fraction?

- (a) $2/9$
- (b) $9/4$
- (c) $9/2$
- (d) $4/9$

Answer: (c)

64. What is the sum of the first 13 terms of an arithmetic progression if the 5th term is 1 and the 8th term is -17?

- (a) -140
- (b) 61
- (c) -143
- (d) 166

Answer: (c)

65. What is the reflection of the point $(-4, 3)$ in the line $x = -2$?

- (a) $(-4, -7)$
- (b) $(4, 3)$
- (c) $(0, 3)$
- (d) $(-4, 7)$

Answer: (c)

66. Point A divides segment BC in the ratio 5:1. Co-ordinates of B are $(6, -4)$ and C are $(0, 8)$. What are the co-ordinates of point A?

- (a) $(-1, 6)$
- (b) $(1, -6)$
- (c) $(-1, -6)$
- (d) $(1, 6)$

Answer: (d)

67. What is the slope of the line parallel to the line passing through the points $(3, -4)$ and $(-2, 5)$?

- (a) $9/5$
- (b) $-5/9$
- (c) $-9/5$
- (d) $5/9$

Answer: (c)

68. $\triangle XYZ$ is similar to $\triangle PQR$. If ratio of Perimeter of $\triangle XYZ$ and Perimeter of $\triangle PQR$ is 4:9 and if $PQ = 27$ cm, then what is the length of XY (in cm)?

- (a) 9
- (b) 12
- (c) 16
- (d) 15

Answer: (b)

69. What is the value of $\cot 45^\circ + \frac{1}{3} \operatorname{cosec} 60^\circ$?

- (a) $\sqrt{3} + 2$
- (b) $(9 + 2\sqrt{3})/9$
- (c) $\sqrt{3}$
- (d) $(2\sqrt{2} + 3)/\sqrt{6}$

Answer: (b)

70. ΔDEF is right angled at E. If $m\angle F = 45^\circ$, then what is the value of $\sin F \times \tan F$?

- (a) $\sqrt{2}$
- (b) $1/\sqrt{3}$
- (c) $1/\sqrt{2}$
- (d) $2/\sqrt{3}$

Answer: (c)

71. If $\cot \theta = 21/20$, then what is the value of $\sec \theta$?

- (a) $29/21$
- (b) $21/29$
- (c) $29/20$
- (d) $20/29$

Answer: (a)

75. 24% people who were mailed the survey questionnaire answered the survey. The survey questionnaire was mailed to how many people?

- (a) 5000
- (b) 10000
- (c) 1200
- (d) 288

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'. The lady was knocked down (1)/by a speeding car (2)/upon crossing the road.(3)/No Error (4)

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Answer: (c)

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'. Grandfather led (1)/a peaceful life after his (2)/retirement from the army.(3)/No Error (4)

- (a) 1
- (b) 2
- (c) 3
- (d) 4

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. At night, the winding roads can make driving up the mountain a _____ journey.

- (a) carefree
- (b) beastly
- (c) obnoxious
- (d) treacherous

Answer: (d)

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

- (a) Sensibility
- (b) Slumber
- (c) Liveliness
- (d) Consciousness

Answer: (b)

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

- (a) Harsh
- (b) Open
- (c) Ignorant
- (d) Understated

Answer: (d)

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

- (a) Glum
- (b) Silent
- (c) Crabby
- (d) Agreeable

Answer: (d)

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

- (a) Dismiss
- (b) Draft
- (c) Invite
- (d) Mobilise

Answer: (a)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. At the drop of a hat

- (a) Without any hesitation; instantly.
- (b) Show outward respect to someone you hate.
- (c) Forcibly let go of something which is very personal to you.
- (d) A mistake which is of not much consequence.

Answer: (a)

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". I gave up (drinks) many years ago.

- (a) to drink
- (b) drink
- (c) drinking
- (d) no improvement

Answer: (c)

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". Rahul went out without (saying) good bye.

- (a) say even
- (b) even said
- (c) say
- (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 words/sentence. A person or thing that is likely to cause harm

- (a) Menace
- (b) Cordial
- (c) Festal
- (d) Blithe

Answer: (a)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. Having or involving an extreme or irrational fear of or aversion to something.

- (a) Valiant
- (b) Stout
- (c) Phobic
- (d) Foolhardy

Answer: (c)

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

- (a) bereaving
- (b) bereaveing
- (c) bereving
- (d) bireaving

Answer: (a)

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

- (a) deligence
- (b) diligence
- (c) delegece
- (d) dilegence

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. I've taken out my X-and stay poised and vigilant Y-ear buds so I can Z-listen for announcements

- (a) ZXY
- (b) YZX
- (c) XZY
- (d) YXZ

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. In the Northeast, the sun X-sets by four in the evening Y-morning and in winter it Z-rises as early as four in the

- (a) XYZ
- (b) YZX
- (c) ZYX
- (d) ZXY

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. "How old is your grandmother?", Navneet asked her.

- (a) Navneet asked her how old her grandmother is.
- (b) Navneet asked her how old her grandmother has been.
- (c) Navneet asked her how old her grandmother was.
- (d) Navneet asked her how old is her grandmother.

Answer: (c)

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 promise of nuclear power has so _____ outweighed all of these concerns, and India has reason to be proud of its technology and determination to look for non-fossil _____ in its energy planning. However, _____ rapid progress in technology in other _____ energy sources such as wind and solar power, the collapse of oil prices and the expansion in gas projects as a viable and clean alternative, that promise _____.

96. nuclear power has so _____ outweighed all of these concerns

- (a) far
- (b) less
- (c) near
- (d) closely

Answer: (a)

97. look for non-fossil _____ in its energy planning.

- (a) compulsions
- (b) obligations
- (c) alternatives
- (d) constraints

Answer: (c)

98. However, _____ rapid progress in technology

- (a) to
- (b) from
- (c) with
- (d) for

Answer: (c)

99. other _____ energy sources such as wind and solar power

- (a) brief
- (b) renewable
- (c) untenable
- (d) temporary

Answer: (b)

100. projects as a viable and clean alternative, that promise _____.

- (a) to dim
- (b) dimming
- (c) was dim
- (d) has dimmed

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	(b)	3	(b)	4	(b)	5	(b)	6	(a)	7	(b)	8	(d)
9	(b)	10	(b)	11	(d)	12	(a)	13	(d)	14	(b)	15	(b)	17	(b)
18	(b)														

General Awareness

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

Quantitative Aptitude

51	(a)	52	(a)	53	(c)	54	(b)	55	(b)	56	(a)	57	(a)	58	(c)
59	(d)	60	(d)	61	(a)	62	(d)	63	(c)	64	(c)	65	(c)	66	(d)
67	(c)	68	(b)	69	(b)	70	(c)	71	(a)	75	(a)				

English Comprehension

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