PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 8 August 2017, Shift 2

SSC CGL · 8 August 2017 · 1:15 PM - 2:15 PM

76 of the paper's 91 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 15 (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 8 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-1-8-aug-shift-2/

General Intelligence and Reasoning

1. In the following question, select the related word from the given alternatives. Goiter : Iodine : : Anemia : ?

(a) Vitamin D
(b) Iron
(c) Vitamin E
(d) Calcium

Answer: (b)

2. In the following question, select the related letter from the given alternatives. DE : O : : AF : ?

(a) H
(b) K
(c) J
(d) I

Answer: (b)

3. In the following question, select the related number from the given alternatives. 56 : 41 : : 94 : ?

(a) 49
(b) 53
(c) 60
(d) 89

Answer: (a)

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

(a) Beneath
(b) On top
(c) Huge
(d) Above

Answer: (c)

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

(a) MN

(b) NM

(c) OL

(d) ET

Answer: (d)

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

(a) 253

(b) 473

(c) 143

(d) 633

Answer: (d)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Flinching 2. Flintlock 3. Flinpites 4. Flintlocks 5. Flinchers

(a) 15243

(b) 51243

(c) 51324

(d) 51342

Answer: (c)

8. In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it? _ yzaa _ y _ xy _ azy _

(a) xxzzx

(b) xxaza

(c) xzxzx

(d) aazzx

Answer: (c)

9. In the following question, select the missing number from the given series. 19, 38, ?, 228, 684, 1368

(a) 108

(b) 113

(c) 114

(d) 138

Answer: (c)

10. There are five students - P, Q, R, S and T having different heights in a class. P's height is more than only one student. Q's height is more than S and P but not more than R. S's height is more than P. R is not the smallest. Who is having the maximum height in the class?

(a) Q

(b) R

(c) S

(d) T

Answer: (b)

11. In a row of 74 girls, Shweta is 27th from left end. Palak is 7th to the right of Shweta. What is Palak's position from the right end of the row?

(a) 40

(b) 41

(c) 42

(d) 44

Answer: (b)

12. In the following question, from the given alternative words, select the word which can be formed using the letters of the given word. CAPITULATE

(a) CAPABLE

(b) LUPIN

(c) PITTY

(d) TALE

Answer: (d)

13. In a certain code language, "BIOLOGY" is [illegible] as "YRLOLTB". How is "PHYSICS" written in that code language?

(a) KSXRBHH

(b) KSBHRXH

(c) XHRHBSK

(d) KSBHXRH

Answer: (b)

14. In the following question, correct the equation by interchanging two signs. 6+8÷4–4=8

(a) ÷ and =

(b) ÷ and +

(c) ÷ and –

(d) + and –

Answer: (d)

15. If 4 x 9 x 3 = 4 and 5 x 3 x 1 = 3, then 9×9×7=?
    (a) 5
    (b) 6
    (c) 7
    (d) 9
    Answer: (a)

24. How many Fundamental Duties are mentioned in Indian constitution?
    (a) Five
    (b) Seven
    (c) Nine
    (d) Eleven
    Answer: (d)

25. Part IV of constitution of India deals with which of the following?
    (a) The Union
    (b) The States
    (c) Fundamental Rights
    (d) Directive Principles of State Policy
    Answer: (d)

General Awareness

26. Who gave the slogan 'Back to the Vedas (Vedo ur lauto)'?
    (a) Guru Nanank Dev Ji
    (b) Dayanand Saraswati
    (c) Swami Vivekananda
    (d) Raja Ram Mohan Roy
    Answer: (b)

28. Gravitational force is maximum at which of the following place?
    (a) At equator
    (b) At tropic of cancer
    (c) At tropic of Capricorn
    (d) At poles
    Answer: (d)

29. Which of the following device is used to measure humidity?
    (a) Hydrometer
    (b) Hygrometer
    (c) Psycho Meter
    (d) Anemometer
    Answer: (b)

30. Which of the following disease is caused by female Anopheles mosquito?
    (a) Chicken Pox
    (b) Malaria
    (c) Black Fever
    (d) Cholera
    Answer: (c)

31. Which part of the plant gives us saffron?
    (a) Roots
    (b) Petals
    (c) Stem
    (d) Stigma
    Answer: (d)

32. Which of the following transports water from the roots of the plant to its leaves?
    (a) Xylem
    (b) Phloem
    (c) Both xylem and phloem
    (d) Cortex
    Answer: (a)

33. Which of the following is not a vector quantity?
    (a) Momentum
    (b) Displacement
    (c) Torque
    (d) Speed
    Answer: (d)

34. At what temperature (in Fahrenheit) pure water freezes?
    (a) 32
    (b) 0
    (c) 48
    (d) 37
    Answer: (a)

35. In which graphics, digital photos and scanned images are typically stored with extensions such as.bmp, .png, .jpg, .tif or.gif?
    (a) Bitmap
    (b) Pixels
    (c) Plane
    (d) Both Bitmap and Pixels
    Answer: (a)

36. Process of gaining electrons is known as _____.
    (a) oxidation
    (b) reduction
    (c) radiation
    (d) both oxidation and reduction

    Answer: (b)

37. Which of the following metal (shown by its symbol) is generally used for making filaments of bulb?
    (a) Fe
    (b) An
    (c) Ag
    (d) W

    Answer: (d)

38. Which of the following trees shed their leaves once in a year?
    (a) Deciduous trees
    (b) Coniferous trees
    (c) Evergreen trees
    (d) Both deciduous and coniferous trees

    Answer: (a)

39. The Entrepreneurship Development Scheme (ED ıas been launched under New Economy Development Policy (NEDP) on January 19, 2017 at __.
    (a) New Delhi
    (b) Mizoram
    (c) Gujrat
    (d) Uttar Pradesh

    Answer: (b)

40. Who invented Dynamite?
    (a) J B Dunlop
    (b) Alfred Nobel
    (c) James Simons
    (d) Peter Hargreaves

    Answer: (b)

41. 'Rovers cup' is associated with which of the following sport?
    (a) Football
    (b) Hockey
    (c) Golf
    (d) Basketball

    Answer: (a)

42. Dandia is a form of dance associated with which of the following state?
(a) Haryana
(b) Punjab
(c) Gujarat
(d) Rajasthan
Answer: (c)

43. Who among the following was awarded with Dhronacharya Award 2016 in the field of 'Swimming (Lifetime)'?
(a) Shri Raj Kumar Sharma
(b) Shri Sagar Mal Dhayal
(c) Shri S. Pradeep Kumar
(d) Shri Nagapuri Ramesh
Answer: (c)

44. 'Ace Against Odds' is an autobiography of which sports person?
(a) Vishwanathan Anand
(b) Sania Mirza
(c) Abhinav Bindra
(d) Anjali Bhagwat
Answer: (b)

45. Under the framework of the new partnership with which country, Victory University will help India to Establish a National Sports University?
(a) Portugal
(b) Australia
(c) Vietnam
(d) USA
Answer: (b)

46. With which country India exchanged its border maps?
(a) China
(b) Sri Lanka
(c) Pakistan
(d) Bangladesh
Answer: (d)

47. What least value which should be added to 1812 to make it divisible by 7, 11 and 14?
(a) 12
(b) 36
(c) 72
(d) 154
Answer: (b)

48. A is 1.5 times efficient than B therefore takes 8 days less than B to complete a work. If A and B work on alternate days and A works on first day, then in how many days the work will be completed?

(a) 17

(b) 19

(c) 19.5

(d) 21

Answer: (b)

49. One of the diagonal of a rhombus is 70% of the other diagonal. What is the ratio of area of rhombus to the square of the length of the larger diagonal?

(a) 3 : 10

(b) 3 : 20

(c) 7 : 20

(d) 7 : 10

Answer: (c)

50. A shopkeeper sells a table at a discount of 20% and earns a profit of 60%. If he sells the same table at 40% discount, then what will be his new profit percent?

(a) 20

(b) 30

(c) 35

(d) 40

Answer: (a)

Quantitative Aptitude

51. If A/3 = B/2 = C/5, then what is the value of ratio (C + A)2 : (A + B)2 : (B + C)2?

(a) 9 : 4 : 25

(b) 25 : 4 : 9

(c) 64 : 25 : 49

(d) 49 : 25 : 64

Answer: (c)

52. 5 years ago the average age of a family which includes father, mother and a son was 35 years. 3 years ago the average age of father and mother was 46 years. What is the present age (in years) of the son?

(a) 20

(b) 24

(c) 26

(d) 22

Answer: (d)

53. The cost price of 60 articles is same as the selling price of x articles. If there is a profit of 20%, then what is the value of x?

(a) 15

(b) 30

(c) 50

(d) 80

Answer: (c)

54. A person scores 45% of the total marks in the exam and still fails by 40 marks. The passing percentage of the exam is 55%. What is the maximum marks of the exam?

(a) 300

(b) 350

(c) 400

(d) 500

Answer: (c)

56. The difference of compound interest and simple interest for 3 years and for 2 years are in ratio 23 : 7 respectively. What is rate of interest per annum (in %)?

(a) 200/7

(b) 100/7

(c) 300/7

(d) 400/7

Answer: (a)

57. If (x2/yz) + (y2/zx) + (z2/xy) = 3, then what is the value of (x + y + z)3?

(a) 0

(b) 1

(c) 2

(d) 3

Answer: (a)

58. If x1/4 + x-1/4 = 2, then what is the value of x81 + (1/x81)?

(a) – 2

(b) 0

(c) 1

(d) 2

Answer: (d)

59. If a(a + b + c) = 45, b(a + b + c) = 75 and c(a + b + c) = 105, then what is the value of (a2 + b2 + c2)?

(a) 75

(b) 83

(c) 217

(d) 225

Answer: (b)

60. If x2 + (1/x2) = 1, then what is the value of x48 + x42 + x36 + x30 + x24 + x18 + x12 + x6 + 1?

(a) – 9

(b) 0

(c) 1

(d) 9

Answer: (c)

65. What is the simplified value of sin2 (90 – θ) – [{sin(90 – θ)sin θ}/tan θ]?

(a) 1

(b) cosec θ

(c) 0

(d) cos θ

Answer: (a)

67. 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'. Hardly had I reached the (1)/ exhibition where I learnt (2)/ about the major robbery. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

68. 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 did the sun rise (1)/ when we resumed the journey (2)/ after having a hasty breakfast. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

69. 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 _____ to the problem of air pollution in his speech.

(a) averted

(b) adverted

(c) exclaimed

(d) mentioned

Answer: (b)

70. 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. Rohan is so magnanimous that everyone is always _____ to help him in his project.

(a) eager

(b) enthusiastic

(c) reluctant

(d) ignorant

Answer: (a)

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

(a) Sucking

(b) Soft

(c) Juicy

(d) Pale

Answer: (c)

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

(a) Discussion

(b) Attention

(c) Contraction

(d) Assembly

Answer: (d)

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

(a) Enticing

(b) Fleeting

(c) Erratic

(d) Elusive

Answer: (a)

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

(a) Noxious

(b) Criticism

(c) Fantasy

(d) Grandeur

Answer: (b)

75. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. To put a spoke in one's wheel

(a) To be advantageous at the time of difficulty

(b) To maintain under all circumstances

(c) To blame the other party

(d) To put a difficulty in the way of progress

Answer: (d)

English Comprehension

76. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase. At loggerheads

(a) To suffer

(b) In conflict with someone

(c) To face tough competition

(d) To be in do or die situation

Answer: (b)

77. Improve the bracketed part of the sentence. She is (the best and wisest) girl in the class.

(a) best and wisest

(b) a best and a wisest

(c) the best and the wisest

(d) No improvement

Answer: (c)

78. Improve the bracketed part of the sentence people of Japan are (wiser than America.)

(a) wiser than that of America.

(b) wiser than those of America.

(c) wiser to that of America.

(d) No improvement

Answer: (b)

79. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. One skilled in telling stories

(a) Ventral

(b) Fanatic

(c) Raconteur

(d) Tyro

Answer: (c)

80. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. Fear of Fire

(a) Arsonphobia

(b) Astraphobia

(c) Astrophobia

(d) Arrhenphobia

Answer: (a)

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

(a) Hygeine

(b) Fascist

(c) Career

(d) Apparel

Answer: (a)

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

(a) Reside

(b) Revise

(c) Advise

(d) Demice

Answer: (d)

83. The question below consists of a set of jumbled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph. P: He raised his voice against idol-worship. Q: People are generally very open and accept social changes with a positive attitude. R: Swami Dayanand Saraswati is remembered with reverence and affection among the social reformers of the nineteenth century. S: India is a country which respects spiritualism much more than materialism.

(a) QRSP

(b) PRSQ

(c) RSPQ

(d) SQRP

Answer: (d)

84. 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: For that we need people who possess not only high skills but high values as well. Q: So the need of the hour is not only skill-based education but also value-inspired and value-based education. R: When we talk of investing in education, a question arises as to what kind of education needs to be given to the youngster. S: Our aim is to evolve not only an affluent society, but an egalitarian, just, humane and compassionate society.

(a) SPRQ

(b) PRQS

(c) RQSP

(d) RSPQ

Answer: (d)

85. 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. Please guide me.

(a) You are requested to guide me.

(b) You have been requested to guide me.

(c) You were requested to guide me.

(d) You are being requested to guide me.

Answer: (a)

86. 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 teacher said, "The Earth revolves around the sun."

(a) The teacher said that the Earth is being revolving around the sun.

(b) The teacher said that the Earth revolves around the sun.

(c) The teacher said that the Earth revolved around the sun.

(d) The teacher said that the Earth had been revolving around the sun.

Answer: (b)

Passage — for questions 87–91

> 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 _____ of energy in India are met from both commercial and non commercial sources. The most _____ sources of energy today are coal and natural gas, hydro electricity and nuclear power. On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of energy. While non commercial forms of energy _____ demand, coal is the _____ source of commercial energy in India.

87. The _____ of energy in India are met from both commercial

(a) requirements

(b) sources

(c) availability

(d) lessen

Answer: (a)

88. and non commercial sources. The most _____ sources of energy today are coal and natural gas
(a) vital
(b) insignificant
(c) important
(d) expensive
Answer: (c)

89. On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of energy.
(a) constitutes
(b) combines
(c) mixes
(d) collaborates
Answer: (a)

90. While non commercial forms of energy _____ demand,
(a) need
(b) meet
(c) shed
(d) rests
Answer: (b)

91. coal is the _____ source of commercial energy in India.
(a) smallest
(b) hardest
(c) largest
(d) heaviest
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	**(a)**	4	**(c)**	5	**(d)**	6	**(d)**	7	**(c)**	8	**(c)**
9	**(c)**	10	**(b)**	11	**(b)**	12	**(d)**	13	**(b)**	14	**(d)**	15	**(a)**	24	**(d)**
25	**(d)**														

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(d)**	53	**(c)**	54	**(c)**	56	**(a)**	57	**(a)**	58	**(d)**	59	**(b)**
60	**(c)**	65	**(a)**	67	**(b)**	68	**(b)**	69	**(b)**	70	**(a)**	71	**(c)**	72	**(d)**
73	**(a)**	74	**(b)**	75	**(d)**										

English Comprehension

76	**(b)**	77	**(c)**	78	**(b)**	79	**(c)**	80	**(a)**	81	**(a)**	82	**(d)**	83	**(d)**
84	**(d)**	85	**(a)**	86	**(b)**	87	**(a)**	88	**(c)**	89	**(a)**	90	**(b)**	91	**(c)**