PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 20 August 2017, Shift 3

SSC CGL · 20 August 2017 · 4:15 PM - 5:15 PM

84 of the paper's 90 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 6 (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 20 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-1-20-aug-shift-3/

General Intelligence and Reasoning

1. Select the related word from the given alternatives. Cotton : White :: Coal : ?
   (a) Fire
   (b) Mine
   (c) Wood
   (d) Black
   Answer: (d)

2. Select the related letters from the given alternatives. WVT : SRP :: MLJ : ?
   (a) KHG
   (b) IHG
   (c) IHF
   (d) HEF
   Answer: (c)

3. Select the related number from the given alternatives. 12.5 : 6.25 :: 7 : ?
   (a) 3.5
   (b) 3.25
   (c) 6.5
   (d) 12
   Answer: (a)

4. Select the odd word from the given alternatives.
   (a) Apple
   (b) Mango
   (c) Orange
   (d) Almond
   Answer: (d)

5. Select the odd letters from the given alternatives.

(a) UTS

(b) PNM

(c) KIH

(d) FDC

Answer: (a)

6. Select the odd number from the given alternatives.

(a) 24

(b) 39

(c) 65

(d) 51

Answer: (c)

7. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. Money, Amity, Camera, Animal, Telomere, ?

(a) Talisman

(b) Litmus

(c) Matter

(d) Shame

Answer: (a)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. CDE, IHG, KLM, QPO, STU

(a) YXW

(b) WXY

(c) XYW

(d) XWY

Answer: (a)

9. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. 6, 18, 54, ? , 486, 1458

(a) 164

(b) 160

(c) 168

(d) 162

Answer: (d)

10. Arnav's birthday is on Tuesday 14th March. On what day of the week will be Pranay's Birthday in the same year if Pranay was born on 13th September?

(a) Monday

(b) Tuesday

(c) Wednesday

(d) Thursday

Answer: (c)

11. The weights of 4 boxes are 90, 40, 80 and 50 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) 200

(b) 260

(c) 180

(d) 170

Answer: (a)

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

(a) THING

(b) CHAIN

(c) CHEAT

(d) CLING

Answer: (c)

13. If BOULDER is coded as ZMSJBCP, then how will ELK be coded as?
ENROLL NOW
READ THEIR STORIES !

(a) XIG

(b) EOC

(c) CJI

(d) BXM

Answer: (c)

14. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question? 56 ÷ 8 + 12 - 72 = ?

(a) 32

(b) 88

(c) 44

(d) 82

Answer: (a)

15. If 6#30=5; 8#24=3; 7#28=4; then what is the value of 8#40=?

(a) 47

(b) 4

(c) 5

(d) 24

Answer: (c)

17. A plane flies 100 km West, then it turns South and flies 150 km, then it turns West and flies 300 km, then it turns to its right and flies 150 km. Where is it now with reference to its starting position?

(a) 400 km East

(b) 200 km West

(c) 400 km West

(d) 200 km East

Answer: (c)

21. The short run marginal cost curve is ____ shaped.

(a) U

(b) V

(c) X

(d) W

Answer: (a)

22. "Betting and gambling" 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)

23. There are total _____ parliamentary seats (Lok Sabha constituency) in West Bengal.

(a) 42

(b) 2

(c) 14

(d) 40

Answer: (a)

24. In 1916 Mahatma Gandhi travelled to _____ to inspire the peasants to struggle against the oppressive plantation system.

(a) Dandi

(b) Sabarmati

(c) Champaran

(d) Chauri Chaura

Answer: (c)

25. Mahatma Gandhi returned to India from _____ in January 1915.

(a) South Africa

(b) England

(c) USA

(d) Russia

Answer: (a)

General Awareness

26. _____ is separated from India by a narrow channel of sea formed by Palk Strait and the Gulf of Mannar.

(a) Sri Lanka
(b) Myanmar
(c) Bangladesh
(d) Pakistan

Answer: (a)

27. The land mass of India has an area of _____ million square km.

(a) 1.28
(b) 2.28
(c) 3.28
(d) 4.28

Answer: (c)

28. _____ being a higher category, is the assemblage of families which exhibit a few similar characters.

(a) Order
(b) Species
(c) Genus
(d) Class

Answer: (a)

29. Sexual reproduction in Algae that takes [illegible] ough fusion of two dissimilar size gametes is called?

(a) Zoospores
(b) Anisogamous
(c) Isogamous
(d) Oogamous

Answer: (b)

30. The animals in which the body cavity is absent are known as _____.

(a) Coelomates
(b) Wild
(c) Pseudocoelomates
(d) Acoelomates

Answer: (d)

31. According to the Second Law of Motion, for a given force, acceleration is inversely proportional to the ____ of an object.

(a) density
(b) volume
(c) force
(d) mass

Answer: (d)

32. The coil wire in the electric room heater or electric cooking heater is called _____.

(a) Circuit
(b) Element
(c) Filament
(d) Cells

Answer: (b)

33. _____ software are freely available and can be edited and customized by anyone.

(a) Free Source
(b) Open Source
(c) Easy Source
(d) Unpaid Source

Answer: (b)

34. _____ is obtained by evaporation of sea.

(a) Sugar
(b) Iron
(c) Salt
(d) Steel

Answer: (c)

36. _____ is the number of individuals of the population who left the habitat and gone elsewhere during the time period under consideration.

(a) Natality
(b) Mortality
(c) Immigration
(d) Emigration

Answer: (d)

37. _____ was launched by Prime Minister Narendra Modi as a part of the Beti Bachao, Beti Padhao campaign.

(a) Sukanya Samridhi Account
(b) Bal Swachta Mission
(c) Pradhan Mantri Jan Dhan Yojana
(d) Beti Bachao Beti Padhao Yojana

Answer: (a)

38. Who created the first mechanical computer, which proved to be the prototype for future computers?

(a) Archimedes

(b) John Harrison

(c) Cai Lun

(d) Charles Babbage

Answer: (d)

39. In which sport did India win Bronze medal at Rio Olympics 2016?

(a) Badminton

(b) Boxing

(c) Hockey

(d) Wrestling

Answer: (d)

40. Ajanta and Ellora caves are situated in which state of India?

(a) Kerala

(b) Odisha

(c) Maharashtra

(d) Jammu & Kashmir

Answer: (c)

41. To whom the Nobel Prize in Physiology or Medici 2016 was awarded?

(a) David J. Thouless

(b) Yoshinori Ohsumi

(c) J. Michael Kosterlitz

(d) Sir J. Fraser Stoddart

Answer: (b)

42. Which of the statements given below are correct? 1. The author of 'A Foreign Policy For India' is L.K Advani. 2. 'Wings of Fire' is a book written by A.P.J Abdul kalaam. 3. 'Open' is an Autobiography of Andre Agassi.

(a) 1 and 2

(b) 2 and 3

(c) 1 and 3

(d) 1, 2 and 3

Answer: (b)

43. According to Stockholm International Peace Research Institute, with spending of $55.9 Billion in 2016, which country became world's fifth-largest military spender?

(a) China

(b) USA

(c) Russia

(d) India

Answer: (d)

44. Which of the following river originates in Nepal and flows into the Ganges?
(a) Kosi
(b) Jhelum
(c) Chenab
(d) Ravi
Answer: (a)

45. 9997 x 10003 = ? 9997 x 10003 =?
(a) 9999991
(b) 99999911
(c) 99999991
(d) 9999911
Answer: (c)

46. A can do a work in 36 days and B in 12 days. If they work on it together, then in how many days will they be able to do the work?
(a) 8
(b) 6
(c) 10
(d) 9
Answer: (d)

47. What is the area (in sq cm) of a rhombus if the lengths of the diagonals are 12 cm and 14 cm?
(a) 42
(b) 168
(c) 84
(d) 63
Answer: (c)

48. If the shopkeeper sells an item at Rs 4400 which is marked as Rs 5000, then what is the discount that he is offering?
(a) 20%
(b) 12%
(c) 15%
(d) 10%
Answer: (b)

49. The flight fare between two cities is increased in the ratio 9:11. What is the increase (in Rs) in the fare, if the original fare was Rs. 18,000?
(a) 22000
(b) 3600
(c) 4000
(d) 20000
Answer: (c)

50. Of the 3 numbers whose average is 40, the first is 1/3 rd the sum of other 2. What is the first number?

(a) 20

(b) 50

(c) 25

(d) 30

Answer: (d)

Quantitative Aptitude

51. A trader buys 500 kgs of cotton for Rs 9,000. 10% of this cotton is spoiled due to rain. At what rate (Rs/Kg) should he sell the rest to earn 10% profit?

(a) 25

(b) 30

(c) 22

(d) 20

Answer: (c)

52. A student has to secure 40% marks to pass. He gets 67 and fails by 13 marks. What is the maximum marks?

(a) 300

(b) 200

(c) 150

(d) 240

Answer: (b)

53. A spaceship travels at 1,260 km/h. How many metres does it travel in 1/10 th of a second?

(a) 126

(b) 35

(c) 36

(d) 125

Answer: (b)

54. If the amount received at the end of 2nd and 3rd year at Compound Interest on a certain Principal is Rs 1,800, and Rs 1,926 respectively, what is the rate of interest?

(a) 7.5%

(b) 7%

(c) 6%

(d) 6.5%

Answer: (b)

55. If (-1/2) * (x - 5) + 3 = -5/2, then what is the value of x?
    (a) 16
    (b) 4
    (c) -6
    (d) -4
    Answer: (a)

56. If a - b = 1 and ab = 6, then what is the value of a3 - b3?
    (a) 21
    (b) 23
    (c) 19
    (d) 25
    Answer: (c)

57. A number is greater than 58 times its reciprocal by 3/4. What is the number?
    (a) -8
    (b) 12
    (c) -12
    (d) 8
    Answer: (d)

58. What is the sum of the first 13 terms of an arithme progression if the first term is -10 and last term is 26?
    (a) 104
    (b) 140
    (c) 84
    (d) 98
    Answer: (a)

59. What is the reflection of the point (-0.5, 6) in the x-axis?
    (a) (0.5, -6)
    (b) (-6, -0.5)
    (c) (6, -0.5)
    (d) (-0.5, -6)
    Answer: (d)

60. In what ratio does the point T(x,0) divide the segment joining the points S(-4,-1) and U(1,4)?
    (a) 1 : 4
    (b) 4 : 1
    (c) 1 : 2
    (d) 2 : 1
    Answer: (a)

61. At what point does the line 2x - 3y = 6 cuts the Y axis?

(a) (0, 2)

(b) (-2, 0)

(c) (2, 0)

(d) (0, -2)

Answer: (d)

62. The areas of two similar triangles ΔABC and ΔPQR are 36 sq cms and 9 sq cms respectively. If PQ = 4 cm then what is the length of AB (in cm)?

(a) 16

(b) 12

(c) 8

(d) 6

Answer: (c)

63. What is the value of Cot 45° + Cosec 60°?

(a) (√6 + 1)/√3

(b) (1 + √3)/2

(c) 5/√3

(d) (√3 + 2)/√3

Answer: (d)

64. Δ LMN is right angled at M. If m∠N = 60o., then 7 L =_____.

(a) 1/2

(b) 1/√3

(c) 1/√2

(d) 2

Answer: (b)

66. 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'. At this moment that (1)/ terrible door burst noisily open and (2)/ banged for the wall. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

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'. While an electron (1)/ carries a negative electrical (2) charge, a neutron is neutral. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (d)

68. 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 big stone monument was the only _____ the lost traveller remembered.

(a) specimen

(b) souvenir

(c) piece

(d) landmark

Answer: (d)

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. The airline was unable to give us a reason for the _____ __ departure delay.

(a) indivisible

(b) invincible

(c) invisible

(d) inexplicable

Answer: (d)

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

(a) Disenchant

(b) Entice

(c) Repulse

(d) Bully

Answer: (b)

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

(a) Unpretentions

(b) Timid

(c) Arrogant

(d) Couteous

Answer: (c)

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

(a) Condescending

(b) Curt

(c) Humble

(d) Haughty

Answer: (c)

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

(a) Indifference

(b) Diligence

(c) Acuity

(d) Circumspection

Answer: (a)

74. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Give somebody a ring

(a) Propose marriage

(b) Inform about the death of a loved one

(c) Call someone on the telephone

(d) Trap somebody in a difficult relationship

Answer: (c)

75. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Leave no stone unturned

(a) Search for the hidden treasure

(b) Do a futile task

(c) Be known for achieving a tremendous feat

(d) Try every possible course of action in order to achieve something

Answer: (d)

English Comprehension

76. 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". She and Dad would (has had loved) Amit.

(a) has loved

(b) have loved

(c) to loved

(d) no improvement

Answer: (b)

77. 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". Someone must (being) killed.

(a) have been

(b) has been

(c) been

(d) no improvement

Answer: (a)

78. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. The state or quality of being holy

(a) Avarice

(b) Baseness

(c) Sanctity

(d) Parsimony

Answer: (c)

79. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. A substance easily evaporated at normal temperatures

(a) Volatile

(b) Steadfast

(c) Enduring

(d) Definite

Answer: (a)

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

(a) hypnotyst

(b) hipnotyst

(c) hipnotist

(d) hypnotist

Answer: (d)

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

(a) theurise

(b) theoris

(c) theuris

(d) theorise

Answer: (d)

82. 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. They had seen enough of the X-them to come a step farther Y-desert already, and no number Z-of knives would have tempted

(a) YXZ

(b) YZX

(c) XZY

(d) XYZ

Answer: (b)

83. 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. Such are the strata which we X-species as those now living in the Mediterranean Y-meet with in the south of Sicily, filled Z-with shells for the most part of the same

(a) YXZ

(b) XZY

(c) XYZ

(d) YZX

Answer: (d)

84. 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 movie critic wrote a sarcastic review.

(a) A sarcastic review is written by the movie criti

(b) A review which is sarcastic was written by th[illegible]ovie critic.

(c) A review which is sarcastic is written by the [illegible]vie critic.

(d) A sarcastic review was written by the [illegible]ritic.

Answer: (d)

85. 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 trainee asked his boss, "Shall I email this letter again, Sir?"

(a) The trainee asked his boss politely if he shall email that letter again.

(b) The trainee asked his boss politely if he should email that letter again, sir.

(c) The trainee asked his boss politely if he shall email that letter again, sir.

(d) The trainee asked his boss politely if he should email that letter again.

Answer: (d)

Passage — for questions 86–90

> A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives. The flora and fauna of Cubbon Park captures our attention more than anything else. But when you take time to look closely at the statue, you will marvel at its sheer grandeur. Sculpted by Sir Thomas Brock, the 11 feet high marble statue is larger than life. It brings out the personality of Queen Victoria, who had been the Monarch of Great Britain from 1837 till 1901, depicting a rather proud, stern person with pronounced features. In 1906, the statue was unveiled in the city by George Frederick Ernest Albert, Prince of Wales and Duke of Cornwall and York, making it stand in all its glory in its 111th year. Even though there is a wealth of history to the statue, and it was made to appear imposing, the busy Bengalureans would probably refer to it as just another landmark. As the workers are busy in discussion on the instructions given to them, life continues as usual in the Park.

86. Queen Victoria ruled Great Britain for how many years?
    (a) 64 years
    (b) 34 years
    (c) 54 years
    (d) 44 years
    Answer: (a)

87. How many people unveiled the Queen Victoria statue at Cubbon Park?
    (a) One
    (b) Six
    (c) Four
    (d) Two
    Answer: (d)

88. The Bengalureans would refer to the Queen Victoria statue as _____.
    (a) wealth of history
    (b) a landmark
    (c) Symbol of British rule
    (d) Bengaluru culture
    Answer: (b)

89. Queen Victoria had all of the following traits, except _____.
    (a) proud
    (b) generous
    (c) stern
    (d) pronounced features
    Answer: (b)

90. Which of the following is false regarding the Queen Victoria statue in Bengaluru?
    (a) It is made of marble
    (b) It is 11 feet tall
    (c) It is 111 years old
    (d) It is standing in Queen Victoria park

    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	**(c)**	3	**(a)**	4	**(d)**	5	**(a)**	6	**(c)**	7	**(a)**	8	**(a)**
9	**(d)**	10	**(c)**	11	**(a)**	12	**(c)**	13	**(c)**	14	**(a)**	15	**(c)**	17	**(c)**
21	**(a)**	22	**(b)**	23	**(a)**	24	**(c)**	25	**(a)**						

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(b)**	53	**(b)**	54	**(b)**	55	**(a)**	56	**(c)**	57	**(d)**	58	**(a)**
59	**(d)**	60	**(a)**	61	**(d)**	62	**(c)**	63	**(d)**	64	**(b)**	66	**(c)**	67	**(d)**
68	**(d)**	69	**(d)**	70	**(b)**	71	**(c)**	72	**(c)**	73	**(a)**	74	**(c)**	75	**(d)**

English Comprehension

76	**(b)**	77	**(a)**	78	**(c)**	79	**(a)**	80	**(d)**	81	**(d)**	82	**(b)**	83	**(d)**
84	**(d)**	85	**(d)**	86	**(a)**	87	**(d)**	8[illegible]	**(b)**	89	**(b)**	90	**(d)**		