PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 23 August 2017, Shift 2

SSC CGL · 23 August 2017 · 1:15 PM - 2:15 PM

85 of the paper's 89 questions · +2 for a correct answer, −0.5 for a wrong one · 60 minutes

Left out of the original paper: 4 (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, 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-1-23-aug-shift-2/

General Intelligence and Reasoning

1. Select the related word from the given alternatives. Lion : Lioness :: Bull : ?
   (a) Animal
   (b) Cow
   (c) Calf
   (d) Dog
   Answer: (b)

2. Select the related letters from the given alternatives. HIJ : OPQ :: STU : ?
   (a) BCD
   (b) ZAB
   (c) XYZ
   (d) CBA
   Answer: (b)

3. Select the related number from the given alternatives. 99 : 101 :: 90 : ?
   (a) 111
   (b) 909
   (c) 110
   (d) 10
   Answer: (c)

4. Select the odd word from the given alternatives.
   (a) Carrot
   (b) Brinjal
   (c) Radish
   (d) Beet
   Answer: (b)

5. Select the odd letters from the given alternatives.

(a) EDC

(b) IHG

(c) LKM

(d) QPO

Answer: (c)

6. Select the odd number from the given alternatives.

(a) 100

(b) 400

(c) 800

(d) 900

Answer: (c)

7. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. Never, Under, Manly, Sauna, Train, ?

(a) Night

(b) Terminal

(c) Cancer

(d) Anoint

Answer: (b)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. ABC, DEF, HIJ, MNO, STU, ?

(a) XYZ

(b) YZA

(c) ZAB

(d) ABC

Answer: (c)

9. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. -7.5, 15, -30, 60, ? , 240

(a) 120

(b) -240

(c) -120

(d) 240

Answer: (c)

10. Aniruddh's birthday is on Sunday 2nd April. On what day of the week will be Priyansh's Birthday in the same year if Priyansh was born on 28th October?

(a) Saturday

(b) Wednesday

(c) Friday

(d) Thursday

Answer: (a)

11. The weights of 4 boxes are 100, 90, 80 and 40 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) 310

(c) 230

(d) 210

Answer: (a)

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

(a) SMITE

(b) MINES

(c) TILES

(d) EMITS

Answer: (b)

13. If CROWNED is coded as APMULCB, then how will TAP be coded as?

(a) WNT

(b) TYL

(c) RYN

(d) XAV

Answer: (c)

14. In a certain code language, '+' represen[illegible] '×', '[illegible]epresents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the follo[illegible]estion? 642 x 6 ÷ 25 + 4 = ?

(a) 11

(b) 64

(c) 18

(d) 7

Answer: (d)

16. A marathon route starts and goes 21 km North, then there is a turn towards West where the route goes on for 7 km, then there is a turn towards North where the route goes on for 10 km, then there is a right turn from where the route goes on 7 km to reach the end. Where is it now with reference to its starting position?

(a) 31 km South

(b) 11 km North

(c) 31 km North

(d) 11 km South

Answer: (c)

19. In _____, the short run equilibrium results in quantity produced being lesser and prices being higher compared to perfect competition.

(a) Monopsony

(b) Monopoly

(c) Oligopoly

(d) Monopolistic Competition

Answer: (d)

20. The average product curve are inverse ____ shaped.

(a) X

(b) W

(c) V

(d) U

Answer: (d)

21. "Bankruptcy and insolvency" is listed in the _____ list given in the Seventh Schedule in the Constitution of India.

(a) Union

(b) State

(c) Global

(d) Concurrent

Answer: (d)

22. A writ of _____ means that the court orders that the arrested person should be presented before it.

(a) Habeas Corpus

(b) Mandamus

(c) Prohibition

(d) Quo Warranto

Answer: (a)

23. In 1236 Sultan Iltutmish's daughter, _____, became Sultan.

(a) Rehana

(b) Rukhsana

(c) Rashida

(d) Raziyya

Answer: (d)

24. Mahatma Gandhi in 1919 decided to launch a nationwide satyagrah against the proposed _____.

(a) Simon Commission

(b) Rowlatt Act

(c) Salt Act

(d) Pitt's India Act

Answer: (b)

25. _____ determines colour, texture, chemical properties, mineral content and permeability of soil.
    (a) Flora & Fauna
    (b) Time
    (c) Climate
    (d) Parent rock
    Answer: (d)

General Awareness

26. The innermost layer is the core with a radius of about _____ km.
    (a) 500
    (b) 6500
    (c) 9500
    (d) 3500
    Answer: (d)

27. The_____ are the primary female sex organs that produce the female gamete (ovum) and several steroid hormones (ovarian hormones). _____
    (a) Cervix
    (b) Uterus
    (c) Ovaries
    (d) Clitoris
    Answer: (c)

28. Bryophytes are also called _____ the plant kingdom.
    (a) Mammals
    (b) Amphibians
    (c) Reptiles
    (d) Insecta
    Answer: (b)

29. Animals belonging to phylum _____ are fundamentally characterised by the presence of a notochord, a dorsal hollow nerve cord and paired pharyngeal gill slits.
    (a) Annelida
    (b) Chordata
    (c) Arthropoda
    (d) Platyhelminthes
    Answer: (b)

30. A ball rolling along the ground gradually slows down and finally comes to rest is due to _____.
    (a) Friction
    (b) Magnetic force
    (c) Electrostatic force
    (d) Muscular force
    Answer: (a)

31. The angle between the _____and the incident ray is called the angle of incidence.
    (a) surface
    (b) normal
    (c) tangent
    (d) reflected ray
    Answer: (b)

32. _____ are designed to read and interpret HTML.
    (a) Browser
    (b) JavaScript
    (c) SQL
    (d) String
    Answer: (a)

33. _____ is made by mixing iron with carbon and metals like chromium, nickel and manganese.
    (a) Ship
    (b) Stainless Steel
    (c) Rust
    (d) Ozone
    Answer: (b)

34. The melting point of ice is ____ K.
    (a) 253.16
    (b) 263.16
    (c) 273.16
    (d) 283.16
    Answer: (c)

35. _____ is any attribute of the organism (morphological, physiological, behavioural) that enables the organism to survive and reproduce in its habitat.
    (a) Adaptation
    (b) Migration
    (c) Conformation
    (d) Regulation
    Answer: (a)

36. _____ scheme by the Central Government aims at providing free health checkups for pregnant women for the first 6 months of pregnancy.
    (a) Gram Uday Se Bharat Uday Abhiyan
    (b) Pradhan Mantri Ujjwala Yojana
    (c) Pradhan Mantri Surakshit Matritva Abhiyan
    (d) Vidyanjali Yojana
    Answer: (c)

37. Who invented the thermos flask?

(a) Ray Tomlinson

(b) Tim Berners-Lee

(c) William Cullen

(d) James Dewar

Answer: (d)

38. How many medals in all did India win at the Rio Olympics 2016?

(a) 5

(b) 4

(c) 3

(d) 2

Answer: (d)

39. "Young Girls" is the famous work of which painter?

(a) Amrita Shergill

(b) M.F. Hussain

(c) F.N. Souza

(d) Jamini Roy

Answer: (a)

40. Captain Manoj Kumar Pandey was awarded the P[illegible]mvir Chakra for his martyrdom at which of the following wars?

(a) Indo-Pakistani War of 1965

(b) Indo-Pakistani War of 1971

(c) Kargil War of 1999

(d) Indo-China War of 1962

Answer: (c)

41. Which of the statements given below is/are not correct? 1. 'Open' is an Autobiography of Andre Agassi. 2. The author of 'India 2020: A Vision for the New Millennium'A.P.J. Abdul Kalam. 3. The author of 'A Foreign Policy For India' is L.K Advani.

(a) 3

(b) 2 and 3

(c) 1 and 3

(d) 1, 2 and 3

Answer: (a)

42. A peace treaty between Japan and which country has not been concluded yet, even after 70 years have passed since the end of World War Two?

(a) India

(b) Russia

(c) China

(d) Canada

Answer: (b)

43. Nepal does not share its border with which Indian state?
    (a) Uttarakhand
    (b) Haryana
    (c) West Bengal
    (d) Sikkim

    Answer: (b)

44. What is the quotient when 1359 is divided by 48?
    (a) 29
    (b) 30
    (c) 31
    (d) 28

    Answer: (d)

45. A can make a cupboard in 10 days and B can do it in 50 days. Along with C, they did the job in 6.25 days only. Then in how many days C alone can do the job?
    (a) 20
    (b) 25
    (c) 16
    (d) 15

    Answer: (b)

46. What is the area (in sq cm) of a rectangle if its diagonal is 26 cm and one of its sides is 10 cm?
    (a) 120
    (b) 240
    (c) 360
    (d) 480

    Answer: (b)

47. A shopkeeper marks up his wares by 80% and offers 20% discount. What will be the selling price (in Rs) if the cost price is Rs 450?
    (a) 548
    (b) 748
    (c) 848
    (d) 648

    Answer: (d)

48. What number should be added to each of the numbers 35, 115, 53 and 165, so that the resulting numbers are in continued proportion?
    (a) 10
    (b) 12
    (c) 8
    (d) 6

    Answer: (a)

49. A batsman makes a score of 95 runs in the 13th match and thus increases his average runs per match by 4. What is his average after the 13th match?

(a) 47
(b) 43
(c) 45
(d) 49

Answer: (a)

50. A vendor buys bananas at 12 for Rs 50 and sells at 5 for Rs 40. What will be the gain (in %)?

(a) 82
(b) 72
(c) 92
(d) 62

Answer: (c)

Quantitative Aptitude

51. Two labourers A and B are paid a total of Rs. 750 per day. If A is paid 150 percent of what is paid to B, how much (in Rs) is B paid?

(a) 450
(b) 250
(c) 300
(d) 500

Answer: (c)

52. A man travelled a distance of 50 km in 8 hours. He travelled partly on foot at 5 km/hr and partly on bicycle at 7 km/hr. What is the distance (in kms) travelled on foot?

(a) 20
(b) 25
(c) 15
(d) 30

Answer: (c)

53. The compound interest earned in two years at 8% per annum is Rs 4160. What is the sum (in Rs) invested?

(a) 24000
(b) 25000
(c) 30000
(d) 20000

Answer: (b)

54. If 1/3(12x/5 - 1/2) + 6/5 = 7/6, then what is the value of x?
    (a) 1/6
    (b) -1/6
    (c) 1/5
    (d) -1/5
    Answer: (a)

55. If a - b = 10 and ab =-21, then what is the value of a3 - b3?
    (a) 316
    (b) 370
    (c) 185
    (d) 158
    Answer: (b)

56. Sum of twice a fraction and 5 times its reciprocal is 7. What is the fraction?
    (a) 2/5
    (b) 5/4
    (c) 5/2
    (d) 4/5
    Answer: (c)

57. The 3rd and 6th term of an arithmetic progression are 19 and 37 respectively. What is the 13th term?
    (a) 79
    (b) 43
    (c) 45
    (d) 49
    Answer: (a)

58. What is the reflection of the point (5, -2) in the line y = -1?
    (a) (-7 , -2)
    (b) (-5 , 0)
    (c) (5 , 0)
    (d) (-7 , 2)
    Answer: (c)

59. The co-ordinates of the centroid of a triangle ABC are (-1 , 4). What are the co-ordinates of vertex C if co-ordinates of A and B are (-3 , -1) and (3 , 5) respectively?
    (a) (-3 , 8)
    (b) (3 , 8)
    (c) (-3 , -8)
    (d) (3 , -8)
    Answer: (a)

60. ax + 3y = 6 has slope -2/3. What is the value of a?

(a) -2

(b) 2

(c) 3

(d) -3

Answer: (b)

61. D and E are points on side AB and AC of ΔABC. DE is parallel to BC. If AD:DB = 2:3 and area of Δ ABC is 100 sq cm, what is the area (in sq cm) of quadrilateral BDEC?

(a) 84

(b) 16

(c) 25

(d) 75

Answer: (a)

62. What is the value of Sin 30o + 2 Cos 30o ?

(a) $(2\sqrt{2} + 3)/\sqrt{6}$

(b) $(9 + 2\sqrt{3})/9$

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

(d) $(2\sqrt{6} + 1)/\sqrt{3}$

Answer: (c)

63. Δ XYZ is right angled at Y. If m∠Z = 60°, what is the length of YZ (in cm), if ZX = $3\sqrt{3}$ cm?

(a) $3\sqrt{3}/2$

(b) $3\sqrt{3}$

(c) 9

(d) 6

Answer: (a)

65. 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'. It seemed as if (1)/ every man in the (2)/ country was back them. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

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'. He put the birds softly, (1)/ one by one, interior their (2)/ warm little home. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

67. 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. We feared the enemies attack because they _____ everything in their path.

(a) satiate

(b) quench

(c) remedy

(d) incinerate

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 president's coterie of advisers was unable to offer him a _____ to the national problem.

(a) solvent

(b) solute

(c) solution

(d) mixture

Answer: (c)

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

(a) Absence

(b) Dearth

(c) Paucity

(d) Excess

Answer: (d)

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

(a) Advocate

(b) Subsidy

(c) Avoidance

(d) Compensation

Answer: (c)

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

(a) Combine

(b) Ramify

(c) Furcate

(d) Diverge

Answer: (a)

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

(a) Bickering

(b) Controversy

(c) Strife

(d) Harmony

Answer: (d)

73. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Get up on the wrong side of the bed

(a) Make a wrong decision and regret it for the rest of the life

(b) Start the day in a bad mood, which continues all day long

(c) Have a sleepless night especially due to worries

(d) Suffer an uncomfortable stay at an unfamiliar place

Answer: (b)

74. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Learn by heart

(a) To memorize something

(b) Love something terribly

(c) Learn a lesson by making a mistake

(d) Learn to control or hide your true feelings

Answer: (a)

75. 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 (starts walks) without responding.

(a) startwalking

(b) startedwalking

(c) startingwalking

(d) no improvement

Answer: (b)

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". He must (being) overwhelmed with the responsibility.

(a) been

(b) has been

(c) have been

(d) no improvement

Answer: (c)

77. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. The quality of being particularly noticeable

(a) Salience

(b) Frivolous

(c) Immaterial

(d) Trivial

Answer: (a)

78. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. Of a disease or poison extremely severe or harmful in its effects

(a) Innocuous

(b) Virulent

(c) Naive

(d) Inoffensive

Answer: (b)

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

(a) analoges

(b) analogese

(c) analogues

(d) analoguese

Answer: (c)

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

(a) unraffled

(b) unruffled

(c) unrufled

(d) unrafled

Answer: (b)

81. 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. It was three o'clock in the afternoon X-find our bearers Y-before we woke, to Z-preparing to return

(a) YXZ

(b) XZY

(c) XYZ

(d) ZYX

Answer: (a)

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. Now the first and most X-strata of marine origin occur above the Y-simple appearance is where Z-level of the sea in horizontal position

(a) XZY

(b) YXZ

(c) XYZ

(d) ZYX

Answer: (b)

83. 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. My daughter read the entire novel in one day.

(a) The entire novel is read by my daughter in one day.

(b) In one day my daughter read the entire novel

(c) The entire novel was read by my daughter in one day.

(d) In one day my daughter has read the entire novel.

Answer: (c)

84. 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 coach said to the child, "Don't make the water muddy."

(a) The coach commanded the child don't make the water dirty.

(b) The coach commanded to the child not to make the water dirty.

(c) The coach commanded the child not to make the water dirty.

(d) The coach commanded to the child don't make the water dirty.

Answer: (c)

Passage — for questions 85–89

> 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 instructor's rules were simple. Breathe through your mouth, not your nose; else the mask will fog up. Easier said than done; I got it wrong many a time. But once you fought habit and got the hang of it, the panoramic underwater world revealed itself to you with high-definition clarity. Led by him, I slowly peered through the mask into what till then was crystal-clear water, shimmering in the sunlight. I saw pebbles, sand and my fluid shadow. I was in Nemo's universe. Sea cucumbers, sea anemone, clown fish, star fish, sea horses, parrot fish, butterfly fish and a bevy of colourful salt water fish swam past. A shoal of canary-yellow fish did a merry dance and another with vibrant blue fish followed it. They were oblivious to the snorkelers who struggled to take in the sight of a world so beautiful, so colourful, and resist opening their mouth wide in amazement; the tube would fall off!

85. The writer is describing her experience of which activity?
    (a) fishing
    (b) snorkelling
    (c) boat ride
    (d) long distance swimming

    Answer: (b)

86. How to avoid the mask fogging up?
    (a) By breathing through the nose and exhaling through the mouth
    (b) By breathing through the mouth
    (c) By keeping one's head under water
    (d) By looking downwards

    Answer: (b)

87. What is 'Nemo'?
    (a) A name of an under water animal
    (b) Name of the writer
    (c) Name of the instructor
    (d) Name of a type of sea cucumber

    Answer: (a)

88. The writer saw all of the following except:
    (a) canary-yellow fish
    (b) sea horses
    (c) parrot fish
    (d) Vibrant green fish

    Answer: (d)

89. When would there be a risk of the tube falling off?
    (a) When the mask fogged up
    (b) When one took breathed through the nose
    (c) When it became dark
    (d) When the mouth was opened

    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	**(b)**	2	**(b)**	3	**(c)**	4	**(b)**	5	**(c)**	6	**(c)**	7	**(b)**	8	**(c)**
9	**(c)**	10	**(a)**	11	**(a)**	12	**(b)**	13	**(c)**	14	**(d)**	16	**(c)**	19	**(d)**
20	**(d)**	21	**(d)**	22	**(a)**	23	**(d)**	24	**(b)**	25	**(d)**				

General Awareness

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

Quantitative Aptitude

51	**(c)**	52	**(c)**	53	**(b)**	54	**(a)**	55	**(b)**	56	**(c)**	57	**(a)**	58	**(c)**
59	**(a)**	60	**(b)**	61	**(a)**	62	**(c)**	63	**(a)**	65	**(c)**	66	**(b)**	67	**(d)**
68	**(c)**	69	**(d)**	70	**(c)**	71	**(a)**	72	**(d)**	73	**(b)**	74	**(a)**	75	**(b)**

English Comprehension

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