PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 20 August 2017, Shift 1

SSC CGL · 20 August 2017 · Shift 1

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 20 August 2017, Shift 1. 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-1/

General Intelligence and Reasoning

1. Select the related word from the given alternatives. Spring : Spiral :: Bangle : ?
   (a) Glass
   (b) Circle
   (c) Ornament
   (d) Gold
   Answer: (b)

2. Select the related letters from the given alternatives. WUV : TRS :: QOP : ?
   (a) XYZ
   (b) CBA
   (c) ABZ
   (d) NLM
   Answer: (d)

3. Select the related number from the given alternatives. 7.25 : 7.75 :: 9 : ?
   (a) 9.5
   (b) 7
   (c) 10
   (d) 8.5
   Answer: (a)

4. Select the odd word from the given alternatives.
   (a) Sparrow
   (b) Pigeon
   (c) Crow
   (d) Housefly
   Answer: (d)

5. Select the odd letters from the given alternatives.

(a) RQS

(b) XWV

(c) MLN

(d) FEG

Answer: (b)

6. Select the odd number from the given alternatives.

(a) 700

(b) 250

(c) 350

(d) 640

Answer: (d)

7. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. Oxygen, Toil, Arouse, Arson, Tenuous, ?

(a) Onion

(b) Lustrous

(c) Lion

(d) Onto

Answer: (b)

8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series. ZYX, VUT, QPO, MLK, HGF

(a) DCB

(b) CBA

(c) BCD

(d) EDC

Answer: (a)

9. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. 400, -200, 100, ? , 25, -12.5

(a) -50

(b) 50

(c) 75

(d) -75

Answer: (a)

10. Bhavin's birthday is on Monday 29th May. On what day of the week will be Rachit's Birthday in the same year if Rachit was born on 17th November?

(a) Saturday

(b) Wednesday

(c) Sunday

(d) Friday

Answer: (d)

11. The weights of 4 boxes are 30, 70, 60 and 90 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) 250

(b) 200

(c) 190

(d) 220

Answer: (b)

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

(a) EMITS

(b) TEAMS

(c) SUITE

(d) QUIET

Answer: (b)

13. If IMPLORE is coded as GKNJMPC, then how will HUB be coded as?

(a) AWN

(b) WAO

(c) FSZ

(d) TEY

Answer: (c)

14. In a certain code language, '+' represen[illegible] 'x', '[illegible]epresents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the follo[illegible]estion? 72 x 9 - 14 + 2 = ?

(a) 20

(b) 86

(c) 30

(d) 36

Answer: (d)

17. A woman in a shopping complex walks 250 m East, then she turns North and walks 100 m, then she turns West and walks 120 m, then she turns to her left and walks 100 m. Where is she now with reference to her starting position?

(a) 130 m East

(b) 130 m West

(c) 370 m East

(d) 370 m West

Answer: (a)

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 : All drinks are food. Statement 2 : No eatables are drinks.
Conclusion I : Some food are eatables. Conclusion II : Some eatables are food.

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

Answer: (d)

General Awareness

26. The demand for a normal good increases with _____ in the consumer's income.

(a) increase
(b) decrease
(c) constant
(d) double

Answer: (a)

27. Short run marginal cost curve cuts the average variable cost curve from _____ at the minimum point of average variable cost.

(a) top
(b) below
(c) right
(d) left

Answer: (b)

28. "Forests" 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)

29. Which Fundamental Right in the Indian Constitution states that all persons shall be equally protected by the laws of the country?

(a) Right to Equality
(b) Right to Freedom
(c) Right against Exploitation
(d) Right to Freedom of Religion

Answer: (a)

30. _____ was imprisoned for the rest of his life by Aurangzeb.
    (a) Akbar
    (b) Shah Jahan
    (c) Jahangir
    (d) Babur
    Answer: (b)

31. Name the Commission that came to India in 1928 to reform India's constitutional system.
    (a) Rowlatt Act
    (b) Pitt's India Act
    (c) Partition of Bengal
    (d) Simon Commission
    Answer: (d)

32. _____ is an example of intrusive igneous rock.
    (a) Conglomerate
    (b) Shale
    (c) Sandstone
    (d) Granite
    Answer: (d)

33. The longitudinal valley lying between lesser Hima' a and the _____ are known as Duns.
    (a) Himadri
    (b) Himachal
    (c) Shiwaliks
    (d) Tibet
    Answer: (c)

34. A multicellular organism grows by _____.
    (a) Cell addition
    (b) Cell explosion
    (c) Cell implosion
    (d) Cell division
    Answer: (d)

35. The male sex organs in a flower is the _____.
    (a) Zoospores
    (b) stamen
    (c) pistil
    (d) Chlorophyceae
    Answer: (b)

36. In animals like Annelids, Molluscs, organs have associated to form functional systems, each system concerned with a specific physiological function. This pattern is called _____ system level of organization.

(a) organ
(b) open
(c) closed
(d) coelom

Answer: (a)

37. Contact force is another name for _____.

(a) Friction
(b) Magnetic force
(c) Electrostatic force
(d) Muscular force

Answer: (d)

38. The force of friction between two surfaces will increase if:

(a) a layer of lubricant is kept between the two surfaces
(b) the two surfaces are pressed harder
(c) air gap is created between the two surfaces
(d) irregularities on both the surfaces are removed

Answer: (b)

39. An absolute _____ contains the complete add s of a file on the Internet.

(a) JavaScript
(b) URL
(c) SQL
(d) String

Answer: (b)

40. A change in which no new substances are formed is called _____.

(a) Physical Change
(b) Chemical Change
(c) Rusting
(d) Galvanisation

Answer: (a)

41. The property of metal by which it can be drawn into wires is called _____.

(a) maleability
(b) viscosity
(c) ductility
(d) tensile strength

Answer: (c)

42. _____ is the number of deaths in the population during a given period.
(a) Natality
(b) Mortality
(c) Immigration
(d) Emigration
Answer: (b)

43. _____ scheme by the Central Government aims at setting up an organized rural Panchayat in order to make the villages more self-sustained.
(a) Gram Uday Se Bharat Uday Abhiyan
(b) Pradhan Mantri Ujjwala Yojana
(c) Pradhan Mantri Surakshit Matritva Yojana
(d) Vidyanjali Yojana
Answer: (a)

44. Who discovered Circulatory System?
(a) Thomas Edison
(b) William Harvey
(c) Robert Hooke
(d) Robert Boyles
Answer: (b)

45. Which country did India lose to in the semi finals the Men's Cricket World Cup 2015?
(a) Sri Lanka
(b) New Zealand
(c) Pakistan
(d) Australia
Answer: (d)

46. Buland Darwaza is located in?
(a) West Bengal
(b) Gujarat
(c) Uttar Pradesh
(d) Tamil Nadu
Answer: (c)

47. Which of the following award is given for distinguished service in any field including service rendered by the Government servants?
(a) Ashok Chakra
(b) Dada Saheb Phalke Awards
(c) Arjuna Award
(d) Padma Shri
Answer: (d)

48. Which of the statements given below are correct?
1. The author of 'The Great Indian Novel' is A.P.J. Abdul Kalam. 2. The author of 'A Foreign Policy For India' is I.K Gujral. 3. 'Wings of Fire' is an Autobiography of A.P.J. Abdul Kalam.

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

Answer: (b)

49. In April 2017, diplomatic ties were re-established after 37 years between Cuba and _____.

(a) India
(b) Morocco
(c) Sri Lanka
(d) USA

Answer: (b)

50. Nepal shares a border with which other country besides India?

(a) China
(b) Bhutan
(c) Bangladesh
(d) Afghanistan

Answer: (a)

Quantitative Aptitude

51. What least number must be added to 213, so that the sum is completely divisible by 9?

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

Answer: (a)

52. A can do a work in 12 days and B in 24 days. If they work on it together for 4 days, then what fraction of work is left?

(a) 1/3
(b) 1/2
(c) 1/4
(d) 1/5

Answer: (b)

53. What is the area (in sq cm) of an equilateral triangle of side 6 cm?

(a) $36\sqrt{3}$

(b) 9

(c) 36

(d) $9\sqrt{3}$

Answer: (d)

54. What is the effective discount on two successive discounts of 20% and 25%?

(a) 45%

(b) 40%

(c) 50%

(d) 60%

Answer: (b)

55. Profit of Rs 12,400 has to be divided between three partners A, B and C in the ratio 5:7:8. How much does B get (in Rs)?

(a) 4340

(b) 3440

(c) 3340

(d) 4430

Answer: (a)

56. The average weight of P, Q and R is 47 kg. If the ·rage weight of P and Q be 32.5 kg and that of Q and R be 48.5 kg, then what is the weight of Q kgs)?

(a) 25

(b) 21

(c) 29

(d) 33

Answer: (b)

57. A shopkeeper by selling 5 items, earns a profit equal to the selling price of 1 item. What is his profit percentage?

(a) 20%

(b) 25%

(c) 16%

(d) 22.5%

Answer: (b)

58. What is the value of 20% of 500% of 50?

(a) 0.5

(b) 5000

(c) 500

(d) 50

Answer: (d)

59. To cover a distance of 90 km in 2.5 hours what should be the average speed of the car in meters/second?

(a) 10

(b) 20

(c) 30

(d) 40

Answer: (a)

60. If in 3 years at simple interest the principal increases by 18%, what will be the compound interest (in Rs) earned on Rs. 25,000 in 3 years at the same rate?

(a) 4775.4

(b) 5774.4

(c) 4557.4

(d) 5575.4

Answer: (a)

61. If 5x + 6(3-2x) = 4, then what is the value of x?

(a) 1

(b) 3

(c) 2

(d) 4

Answer: (c)

62. If a + b = 1 and ab = -6, then what is the value c 3 + b3?

(a) 17

(b) 15

(c) 19

(d) 13

Answer: (c)

63. The sum of a non-zero number and twenty times its reciprocal is 9. What is the number?

(a) -5

(b) 3

(c) -3

(d) 5

Answer: (d)

64. If the 3 and the 5 term of an arithmetic progression are 13 and 21, what is the 13 term? rd th

(a) 53

(b) 49

(c) 57

(d) 61

Answer: (a)

65. What is the reflection of the point (3,-5) in the origin?

(a) (-3, -5)

(b) (5,-3)

(c) (-5,-3)

(d) (-3, 5)

Answer: (d)

66. Point P is the midpoint of segment AB. Co-ordinates of P are (5, -1) and A are (2, -4). What are the co-ordinates of point B?

(a) (6, 4)

(b) (8, 2)

(c) (1,-2)

(d) (-6, -2)

Answer: (b)

67. What is the slope of the line perpendicular to the line passing through the points (-2, 3) and (2, 0)?

(a) 4/3

(b) 3/4

(c) -3/4

(d) -4/3

Answer: (a)

68. ∆ABC is similar to ∆PQR. If ratio of perimeters of ∆ABC and ∆PQR is 1:2 and if PQ = 10 cm then what is the length of AB (in cm)?

(a) 5

(b) 20

(c) 25

(d) 15

Answer: (a)

69. What is the value of Sin 30° + Cos 30°?

(a) (√6 + 1)/√3

(b) (√3 + 2)/√3

(c) (1 + √3)/2

(d) 5/√3

Answer: (c)

70. ∆ ABC is right angled at B. If m∠A = 30°, then Sec C =?

(a) 1/2

(b) 1/√2

(c) 2

(d) 1/√3

Answer: (c)

71. If Sin θ = 12/13, then what is the value of Cot θ?
    (a) 13/12
    (b) 5/13
    (c) 5/12
    (d) 13/5
    Answer: (c)

72. What is the ratio of the population densities of country C to country D?
    (a) 3 : 4
    (b) 4 : 3
    (c) 5 : 4
    (d) 4 : 5
    Answer: (a)

73. What is the difference in the average number of people living per 1,000 sq km in countries E and F?
    (a) 250
    (b) 4000
    (c) 400
    (d) 2500
    Answer: (d)

74. Population density of country E is greater than population density of country D by:
    (a) 50%
    (b) 100%
    (c) 200%
    (d) 300%
    Answer: (b)

75. If area of country B is 20,00,000 sq km, what is its population?
    (a) 10000000
    (b) 2500000
    (c) 25000000
    (d) 1000000
    Answer: (d)

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 phone that (1)/my father bought is different (2)/than your.(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'. As soon as (1)/I reach my office (2)/I will mail you the files.(3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (d)

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. Because she had a _____ demeanour, she was a desirable friend.

(a) pleasant

(b) severe

(c) mean

(d) nasty

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. If your child has not met the _____ vaccination requirements, he or she will not be allowed to attend public school.

(a) optional

(b) referral

(c) compulsory

(d) guideline

Answer: (c)

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

(a) Explicate

(b) Abet

(c) Impede

(d) Aid

Answer: (c)

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

(a) Addition

(b) Basic

(c) Root

(d) Focal

Answer: (a)

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

(a) Frigid

(b) Muggy

(c) Sticky

(d) Soggy

Answer: (a)

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

(a) Flexible

(b) Brittle

(c) Pliable

(d) Bending

Answer: (b)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Bark up the wrong tree

(a) Scolding the one who is innocent.

(b) Expecting a favour from a heartless person.

(c) Looking in the wrong place.

(d) Requesting but in an arrogant manner.

Answer: (c)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Call it a day

(a) To start a job wishing for success.

(b) To take a break or a holiday.

(c) Assign different days to different tasks.

(d) To declare the end of a task.

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". Would you mind (to carrying) this bag for me.

(a) to carry

(b) carrying

(c) carry

(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". The child (would have jumped) with delight on seeing the joker at the circus.

(a) jumping

(b) jumped

(c) to jump

(d) no improvement

Answer: (b)

88. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. The quality or state of being exposed to the possibility of being attacked or harmed

(a) Vigour

(b) Vulnerability

(c) Fortitude

(d) Clout

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 solemn promise or undertaking

(a) Pledge

(b) Deceit

(c) Myth

(d) Perjury

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) consenssus

(b) concensus

(c) concenssus

(d) consensus

Answer: (d)

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

(a) presedents

(b) pricedents

(c) precedents

(d) prisedents

Answer: (c)

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. They had been thrown X-upon their own exertions at an Y-battle to fight with poverty and ignorance Z-early age, and had a hard

(a) XZY

(b) YXZ

(c) ZYX

(d) XYZ

Answer: (a)

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. The unstated assumption is X-conceding spatial autonomy Y-that the grant of a different time Z-zone is only the first temporal step towards

(a) ZXY

(b) XZY

(c) YXZ

(d) YZX

Answer: (d)

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. My friends are going to watch a movie tonight.

(a) A movie is going to be watched by my friends tonight.

(b) My friends will have watch a movie by tonight.

(c) A movie was going to be watched by my friends tonight.

(d) My friends will have to watch a movie by tonight.

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. "What time does the flight arrive?" she asked the receptionist.

(a) She asked the receptionist what time the flight arrived.

(b) She asked the receptionist what time the flight arrive.

(c) She asked the receptionist when does the flight arrive.

(d) She asked the receptionist what was going to be the time for the flights arrival.

Answer: (a)

Passage — for questions 96–100

> 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.
> Due to poor rainfall over the past few months, the vadu mangai season is expected to be short this year. There are two distinct varieties available in the vicinity of Coimbatore. The closest to Coimbatore, and the one that appears in the markets first, is the Thadagam variety. The second and more popular variety is the one from the Thirumoorthy Hills, near Udumalpet. Representatives from commercial pickle brands whisk these mangais away in big lots directly from the wholesalers. Only a small portion of the year's harvest trickles down to the local markets. Small vendors bring sacks full of these tiny tender mangoes to one particular street corner in Ram Nagar during the season. The corner of Rajaji Road and Sathyamurthy Road plays host to these vendors from as early as 7.00 am every day. Depending on the quantity they have, the mangais are available until around 11.00 am. If the vendors have a good day and their produce is sold quickly, they pack up and leave even as early as 9.00 am.

96. What do you think 'Thadagam' is from the passage?
    (a) A Festival celebrated in Coimbatore.
    (b) A variety of vadu mangai mangoes.
    (c) A word for 'monsoon' in the local language.
    (d) A variety of mango pickle.

    Answer: (b)

97. Why do local markets get only a small portion of the mango produce?
    (a) Commercial pickle companies buy the mangoes in huge quantities.
    (b) The mangoes get sold as quickly as 9.00 am.
    (c) There are only three vendors in the local mar[illegible]
    (d) The sellers of the local market are just smal[illegible]ndors.

    Answer: (a)

98. What may happen if there is adequate rainfall?
    (a) Local vendors will get fewer mangoes.
    (b) The vadu mangai season will be longer that year.
    (c) Commercial pickle companies will buy in smaller quantities.
    (d) Vendors will be able to sell quickly.

    Answer: (b)

99. The more popular vadu mangai mangoes are from:
    (a) Udumalpet
    (b) Coimbatore
    (c) Thirumoorthy Hills
    (d) Ram Nagar

    Answer: (c)

100. Which of the following best describes the vadu mangai mangoes?

(a) Big and juicy

(b) Orange but raw

(c) Tiny and tender

(d) Sour and sweet

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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