

PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 6 September 2016, Shift 1

SSC CGL · 6 September 2016 · 10:00 AM - 11:15 AM

84 of the paper's 100 questions · +2 for a correct answer, -0.5 for a wrong one · 75 minutes

Left out of the original paper: 16 (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 6 September 2016, 10:00 AM - 11:15 AM. 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-2016-tier-1-6-sep-shift-1/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Forecast : Future :: Regret : ?

- (a) Present
- (b) Sins
- (c) Life
- (d) Past

Answer: (d)

2. Select the related word/letters/numbers from the given alternatives: DCEF : QPRS :: XWYZ : ?

- (a) SRQP
- (b) NMOP
- (c) STOV
- (d) IMGF

Answer: (b)

3. Select the related word/letters/numbers from the given alternatives: 121 : 12 :: 25 : ?

- (a) 5
- (b) 6
- (c) 7
- (d) 8

Answer: (b)

4. For the following questions Find the odd word/letters/number from the given alternatives.

- (a) Potato
- (b) Tomato
- (c) Ginger
- (d) Carrot

Answer: (b)

5. For the following questions Find the odd word/letters/number from the given alternatives.

- (a) ACEG
- (b) KMNP
- (c) HJLN
- (d) TVXZ

Answer: (b)

6. For the following questions Find the odd word/letters/number from the given alternatives.

- (a) 63-36
- (b) 45-74
- (c) 48-84
- (d) 26-62

Answer: (b)

7. Arrange the following words as per order in the dictionary

1. Tortoise 2. Torrid 3. Torso 4. Torque 5. Tortuous

- (a) 4, 2, 3, 1, 5
- (b) 3, 2, 4, 1, 5
- (c) 2, 3, 4, 5, 1
- (d) 4, 3, 2, 1, 5

Answer: (a)

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

PMT, OOS, NQR, MSQ, ?

- (a) LVR
- (b) LVP
- (c) LWP
- (d) LUP

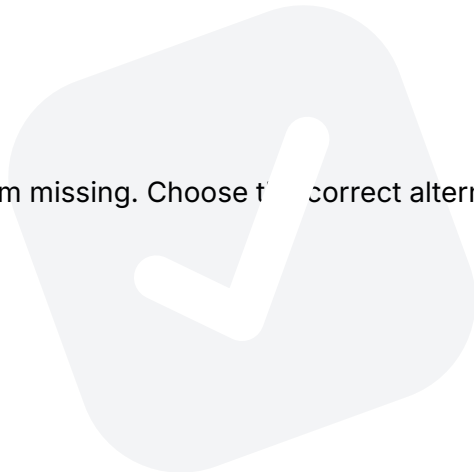
Answer: (d)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

206, 309, 412, ?, 618, 721

- (a) 751
- (b) 749
- (c) 515
- (d) 514

Answer: (c)



10. Pointing Rajesh in the photograph, Sunita said, 'The only son of his mother is my father'. How is Sunita related to Rajesh?

- (a) Niece
- (b) Aunt
- (c) Mother
- (d) Daughter

Answer: (d)

11. A, B, C, D and E are standing in a line facing North. E is standing 40 metres left to B. A is standing 20 metres left to C. D is standing 20 metres right to E and 50 metres right to C. Where is B standing from D?

- (a) 20 metres right
- (b) 30 metres right
- (c) 40 metres right
- (d) 40 metres left

Answer: (a)

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

- (a) FORT
- (b) TABLE
- (c) COMFORT
- (d) ROUTE

Answer: (d)

13. If A = 1, AND = 19, then ANT = ?

- (a) 35
- (b) 33
- (c) 23
- (d) 19

Answer: (a)

14. If + means $\div$, $\div$ means $-$, $-$ means $\times$ and $\times$ means $+$, what will be the value of the following expression:

$$8+4\div 3\times 5-9=?$$

- (a) 44
- (b) 53
- (c) 62
- (d) 64

Answer: (a)



15. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$8 \times 5 \times 0 = 805$, $7 \times 4 \times 6 = 764$, $6 \times 8 \times 9 = ?$

- (a) 689
- (b) 698
- (c) 968
- (d) 986

Answer: (b)

16. Select the missing numbers from the given alternatives

- (a) 56
- (b) 48
- (c) 38
- (d) 36

Answer: (a)

17. Anitha walked 20 km towards north. Then she turned right and walked 30km. Then she turned right and travelled 35 km. Then she moved left and walked 15 km. Finally she turned left and walked 15 km. In which direction was she from the starting point?

- (a) South
- (b) North
- (c) East
- (d) West

Answer: (c)

18. Consider the given statement/s to be true & decide which of the given conclusions/assumptions can definitely be drawn from the given statement. Statements: 1. No man is a Monkey. 2. Hari is a man. Conclusions: I. Hari is not a Monkey. II. All men are not Hari.

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

Answer: (a)

25. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented and e.g., 'U' can be represented by 01, 12, etc., and 'L' can be represented by 56, 67, etc. Similarly you have to identify the set for the word 'SPARE'

first by its row

next by its column,

- (a) 22, 41, 85, 32, 14
- (b) 12, 24, 21, 68, 14
- (c) 44, 78, 67, 32, 42
- (d) 33, 30, 43, 40, 43

Answer: (a)

General Awareness

26. Golden Hand Shake scheme is the name of

- (a) Retirement Scheme
- (b) Voluntary Retirement Scheme
- (c) One Rank One Pension Scheme
- (d) Private Sector Retirement Scheme

Answer: (b)

27. Indian Constitution can be amended according to the procedure laid down in the following Article

- (a) Article 368
- (b) Article 345
- (c) Article 351
- (d) Article 333

Answer: (a)

28. Who is the Vice Chairperson of NITI Aayog ?

- (a) Dr. Bibek Debroy
- (b) Dr. V.K. Saraswat
- (c) Dr. Arvind Panagariya
- (d) Arun Jaitley

Answer: (c)

29. The city of Vijayanagar is also known as

- (a) Halebidu
- (b) Chandragiri
- (c) Hampi
- (d) Kondavidu

Answer: (c)

30. Which of the following Sultans of Tughlaq dynasty issued copper coins instead of silver ones?

- (a) Ghiyasuddin Tughlaq
- (b) Muhammad bin Tughlaq
- (c) Firoz Shah Tughlaq
- (d) Mahmud Tughlaq

Answer: (b)

31. Which of the following areas or regions is most prone to earthquakes?

- (a) Deccan Plateau
- (b) Ganga-Brahmaputra Valley
- (c) Plains of northern India
- (d) Western Ghats

Answer: (b)

32. Honey that has high concentration of sugar does not decay because

- (a) Bacteria cannot survive in an active state as it is totally deprived of oxygen
- (b) It contains natural antioxidant that prevents bacterial attack
- (c) Bacteria cannot survive in an active state in a solution of high osmotic strength as water is drawn out
- (d) None of these

Answer: (c)

33. At low temperature, Lead behaves as a :

- (a) Semi conductor
- (b) Super conductor
- (c) Insulator
- (d) Conductor

Answer: (b)

34. In networks, a small message used to pass between one station to another is known as

-
- (a) Token
 - (b) Byte
 - (c) Word
 - (d) Ring

Answer: (a)

35. Which of the following is a natural polymer?

- (a) Bakelite
- (b) Nylon
- (c) Polythene
- (d) Starch

Answer: (d)

36. Which of the following mammals lay eggs?

- (a) Bat
- (b) Whale
- (c) Weasel
- (d) Platypus

Answer: (d)

37. Akbar's tomb is located at which of the following places?

- (a) Sikandara
- (b) Agra
- (c) Fatehpursikri
- (d) Allahabad

Answer: (a)

38. Pt. Bhimsen Joshi is associated with which of the following fields?

- (a) Literature
- (b) Social services
- (c) Classical music
- (d) Politics

Answer: (c)

39. Security Council of the UN comprises of 10 non-permanent members and their tenure is _____

- (a) 5 years
- (b) 4 years
- (c) 3 years
- (d) 2 years

Answer: (d)

40. 'Tripitakas' are sacred books of _____

- (a) Hindus
- (b) Jains
- (c) Parsis
- (d) Buddhists

Answer: (d)

41. If a country devalues its currency, its _____

- (a) Exports become cheaper and imports become costlier
- (b) Exports become costlier and imports become cheaper.
- (c) Exports value is equivalent to imports value
- (d) No effect on exports and imports

Answer: (a)

42. Which one of the following non-metals shows allotropy in the liquid state?

- (a) Carbon
- (b) Sulphur
- (c) Phosphorous
- (d) Bromine

Answer: (b)

43. Sectoral distribution of GDP index measures_____

- (a) Agriculture development of a country
- (b) Economic development of a country
- (c) Social development of a country
- (d) Socio-Economic development of a country

Answer: (b)

44. Ragini is a popular form of folk song belonging to the State of _____

- (a) Kashmir
- (b) Kerala
- (c) Haryana
- (d) Manipur

Answer: (c)

45. Which of the following border is known as Radcliffe line ?

- (a) India and China
- (b) India and Bangladesh
- (c) India and Pakistan
- (d) India and Afghanistan

Answer: (c)

46. Deepika Kumari is associated with which of the following sports?

- (a) Archery
- (b) Gymnastics
- (c) Badminton
- (d) Athletics

Answer: (a)

47. What does the term 'Ebola' stand for?

- (a) A viral disease outbreak in West Africa
- (b) A viral disease outbreak in Bangladesh
- (c) A city in Syria destroyed by ISIS.
- (d) None of the these

Answer: (a)

48. The virus of AIDS affects the growth of_____

- (a) Haemoglobin
- (b) RBCs in blood
- (c) T cells in blood
- (d) Grey cells in brain

Answer: (c)

49. Which of the following is not a nitrogenous fertiliser?

- (a) Ammonium sulphate
- (b) Urea
- (c) Ammonium nitrate
- (d) Superphosphohate

Answer: (d)

50. The absolute zero is a temperature at which _____

- (a) molecular motion in a gas would cease
- (b) water freezes
- (c) all gases become liquid
- (d) all gases become solid

Answer: (a)

| Quantitative Aptitude

52. The lengths of the diagonals of a rhombus are 8 cm and 6 cm. The area of rhombus is:

- (a) 96 cm²
- (b) 60 cm²
- (c) 48 cm²
- (d) 24 cm²

Answer: (d)

53. Two successive discounts of 10% and 20% are equivalent to a single discount of

- (a) 28%
- (b) 27%
- (c) 25%
- (d) 30%

Answer: (a)

54. A and B together have Rs. 6300. If $\frac{5}{19}$ of A's amount is equal to $\frac{2}{5}$ of B's amount. The amount of 'B' is

- (a) Rs. 2500
- (b) Rs. 3800
- (c) Rs.2300
- (d) Rs. 4000

Answer: (a)

55. If the selling price of 40 articles is equal to the cost price of 50 articles, the loss or gain percent is

- (a) 25% gain
- (b) 20% gain
- (c) 25% loss
- (d) 20% loss

Answer: (a)

56. A's income is 25% more than B's income. B's income is what percent of A's income?

- (a) 80
- (b) 75
- (c) 50
- (d) 25

Answer: (a)

57. In what time will a train, 60 metres long, running at the rate of 36 km/hr pass a telegraph post?

- (a) 9 seconds
- (b) 8 seconds
- (c) 7 seconds
- (d) 6 seconds

Answer: (d)

60. If $\sin A + \sin^2 A = 1$ then what is the value of $\cos^2 A + \cos^4 A$?

- (a) 1
- (b) 2
- (c) $\frac{1}{2}$
- (d) $\frac{1}{4}$

Answer: (a)

61. Three angles of a quadrilateral are $60^\circ, 90^\circ$ and 100° . Then the fourth angle of the quadrilateral is

- (a) 95°
- (b) 100°
- (c) 110°
- (d) 115°

Answer: (c)

64. If the average age of four children is 12 years and the average age of these children and their fathers is 20 years, what is the age of the father?

- (a) 52 years
- (b) 48 years
- (c) 62 years
- (d) 54 years

Answer: (a)

65. If $a+b=3$ then the value of $a^3+b^3+9ab-27$ is

- (a) 24
- (b) 25
- (c) 0
- (d) 27

Answer: (c)

66. If $x+1/x = 2$, then the value of x^7+2/x^6 is equal to?

- (a) 0
- (b) 1
- (c) 2
- (d) 3

Answer: (d)

67. In $\triangle ABC$ two medians BE and CF intersect at the point O and P, Q are the midpoints of BO and CO respectively. If the length of PQ=3cm, then the length of FE will be

- (a) 3 cm
- (b) 6 cm
- (c) 9 cm
- (d) 12 cm

Answer: (a)

68. In a triangle PQR, S and T are the points on PQ and PR respectively, such that $ST \parallel QR$ and $PS/SQ=3/5$, $PR=6$ cm, then PT is

- (a) 2 cm
- (b) 2.25 cm
- (c) 3.5 cm
- (d) 4 cm

Answer: (b)

69. If $5 \sin^2 \theta + 4 \cos^2 \theta = 9/2$ and $0 < \theta < \pi/2$ then $\tan \theta$ is equal to?

- (a) 1
- (b) 0
- (c) -1
- (d) $\frac{1}{4}$

Answer: (a)

70. If Rs. 10000 amounts to Rs. 11664 invested in compound interest (compounded annually) for two years then the annual rate of compound interest is

- (a) 10%
- (b) 9%
- (c) 8%
- (d) 6%

Answer: (c)

71. From the top of a tower 60 mts high the angle of depression of the top and bottom of a pole are observed to be 45° and 60° respectively. If the pole and tower stand on the same plane, the height of the pole in meters is

- (a) $60(\sqrt{3}-1)$
- (b) $20(\sqrt{3}-1)$
- (c) $20(3-\sqrt{3})$
- (d) $20(\sqrt{3}+1)$

Answer: (c)

72. The pie chart drawn below shows below the spendings of a country on various sports during a particular year. Study the pie chart and answer the questions.

The ratio of the amount spent on football, basketball and cricket to that spent on tennis, hockey and golf is

- (a) 5:7
- (b) 7:5
- (c) 15:1
- (d) 3:20

Answer: (b)

73. The pie chart drawn below shows below the spendings of a country on various sports during a particular year. Study the pie chart and answer the questions.

If the total amount spent on sports during the year was Rs. 1,20,00,000 how much was spent on basketball

- (a) Rs. 950000
- (b) Rs. 10,00,000
- (c) Rs. 12,00,000
- (d) Rs. 15,00,000

Answer: (d)

74. The pie chart drawn below shows below the spendings of a country on various sports during a particular year. Study the pie chart and answer the questions.

Total central angle showing the money spent on hockey, football and other during the year was

- (a) 104°
- (b) 244°
- (c) 96°
- (d) 144°

Answer: (d)

75. The pie chart drawn below shows below the spendings of a country on various sports during a particular year. Study the pie chart and answer the questions.
If the money spent on cricket during the year was Rs. 20,00,000, then the money spent on tennis was:

- (a) Rs. 8,00,000
- (b) Rs.10,00,000
- (c) Rs. 80,00,000
- (d) Rs. 40,00,000

Answer: (a)

English Comprehension

76. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it. ADAPT

- (a) BRING UP
- (b) ADJUST
- (c) ENCOURAGE
- (d) SERVE

Answer: (b)

77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it. ARID

- (a) DRY
- (b) FERTILE
- (c) BARREN
- (d) FALLOW

Answer: (b)

78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

- (a) Definite
- (b) Diffinite
- (c) Defenite
- (d) Difinite

Answer: (a)

79. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option. Why you (A) / copying your homework (B) / from someone else? (C) / No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (a)

80. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option. There is (A) / few time (B) / for preparation. (C) / No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (b)

81. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option. All my hope (A) / were duped (B) / and I was plunged in deep sorrow. (C) / No Error (D)

- (a) A
- (b) B
- (c) C
- (d) D

Answer: (a)

82. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it. Naresh made a fortune ____ buying and selling used cars.

- (a) at
- (b) by
- (c) in
- (d) on

Answer: (b)

83. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it. She has finished writing the article, ____

- (a) has she?
- (b) isn't it?
- (c) hasn't she?
- (d) is it?

Answer: (c)

84. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it. An animal species becomes ____ when its last existing member dies.

- (a) exist
- (b) existing
- (c) extinct
- (d) extract

Answer: (c)

85. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Catch a tartar

- (a) To catch a dangerous person
- (b) To deal with a person who is more than one's match
- (c) To trap a wanted criminal with great difficulty
- (d) To live carefully and cautiously

Answer: (b)

86. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it. Cap in hand

- (a) Defiant
- (b) Screaming
- (c) Well behaved
- (d) In a respectful manner

Answer: (d)

87. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it. In the blues

- (a) Cheerless and depressed
- (b) Violent and angry
- (c) Wearing blue badges
- (d) Singing sad songs

Answer: (a)

88. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it. A notice of a person's death

- (a) Memorandum
- (b) Obituary
- (c) Reminder
- (d) Rejoinder

Answer: (b)

89. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it. An animal that lives in groups

- (a) Hoard
- (b) Fastidious
- (c) Gullible
- (d) Gregarious

Answer: (d)

90. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it. Hard working and diligent

- (a) Seditious
- (b) Sedate
- (c) Sedulous
- (d) Scheming

Answer: (c)

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 and click the button corresponding to it. Without breakfast, all of us - irrespective of age - are likely to experience the late morning slump; tiredness, sleepiness and the urge to sit back. Our efficiency goes down further as the day progresses. Moreover, skipping the first meal of the day leads to intense hunger pangs by late morning and we end up eating chips, samosas, burgers or other high-fat unhealthy foods. Breakfast-skippers are more likely to be overweight. A good breakfast leads to a more active, productive day. Research has found a definite connection between skipping breakfast and memory impairment in both young and older adults. Moreover, breakfast is directly linked with performance in school and college. Breakfast should contribute at least one-fourth of our daily requirement of nutrients. An ideal breakfast should contain adequate amounts of carbohydrates, proteins and fats in addition to minerals and vitamins. Essentially this means including most of our food groups in the morning meal. Whole grain cereals - like atta in parathas and puris, dalia, suji, etc. are an integral part of the traditional Indian breakfast. Their high fibre and protein content provides a feeling of satisfaction, which lowers the urge to snack before lunch. On the other hand, high-sugar foods actually make people sleepier, not active. Milk, cheese, eggs or dals (as sprouts in idli or dosas or as sambhar) are other protein sources. A serving of milk (one cup) provides B-complex vitamins and also minerals like zinc, magnesium and calcium. Fruits or vegetables provide valuable vitamin C and keep constipation away.

96. We experience sleepiness in the morning because

- (a) we eat breakfast
- (b) we miss breakfast
- (c) efficiency goes down
- (d) we feel tired and sleepy

Answer: (b)

97. We eat unhealthy food when

- (a) we suffer from hunger
- (b) we have become overweight
- (c) we have skipped the first meal
- (d) we love chips, burgers etc.

Answer: (c)

98. A good breakfast

- (a) keeps you active
- (b) causes memory loss
- (c) boosts performance
- (d) keeps you active; boosts performance

Answer: (d)

99. An ideal breakfast should contain

- (a) carbohydrates, proteins, fats, minerals and vitamins
- (b) some food groups
- (c) only high fibre and protein
- (d) foods of our choice

Answer: (a)

100. Breakfast is satisfying when

- (a) it is rich in fatty foods
- (b) it contains high protein and fibre content
- (c) it is rich in carbohydrates, proteins and fats
- (d) we eat to our heart's content

Answer: (b)



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	(b)	7	(a)	8	(d)
9	(c)	10	(d)	11	(a)	12	(d)	13	(a)	14	(a)	15	(b)	16	(a)
17	(c)	18	(a)	25	(a)										

General Awareness

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

Quantitative Aptitude

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

English Comprehension

76	(b)	77	(b)	78	(a)	79	(a)	80	(b)	81	(a)	82	(b)	83	(c)
84	(c)	85	(b)	86	(d)	87	(a)	88	(b)	89	(d)	90	(c)	96	(b)
97	(c)	98	(d)	99	(a)	100									