PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 5 August 2017, Shift 1

SSC CGL · 5 August 2017 · Shift 1

78 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: 22 (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 5 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-1-5-aug-shift-1/

General Intelligence and Reasoning

1. In the following question, select the related word pair from the given alternatives. Power : Watt : : ? : ?

(a) Pressure : Newton

(b) Force : Pascal

(c) Resistance : Mho

(d) Work : Joule

Answer: (d)

2. In the following question, select the related letters from the given alternatives. NPBG : OQCH : : AJOT : ?

(a) BKPU

(b) BUPK

(c) BHKP

(d) HBKU

Answer: (a)

3. In the following question, select the related number from the given alternatives. 101 : 10201 : : 107 : ?

(a) 10707

(b) 10749

(c) 11449

(d) 11407

Answer: (c)

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

(a) Lion

(b) Leopard

(c) Snake

(d) Tiger

Answer: (c)

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

(a) 69

(b) 59

(c) 61

(d) 53

Answer: (a)

7. Arrange the given words in the sequence in which they occur in the dictionary. 1. Ropped 2. Roster 3. Roasted 4. Road 5. Roller

(a) 35412

(b) 45312

(c) 34512

(d) 43512

Answer: (d)

8. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series. BCF, CDG, DEH, ?

(a) EFI

(b) EFG

(c) DFI

(d) EGI

Answer: (a)

9. In the following question, select the missing num from the given series. 2, 5, 12, 27, ?

(a) 53

(b) 56

(c) 57

(d) 58

Answer: (d)

11. Rakhi got engaged 10 years ago. Rakhi's present age is 5/3 of her age at the time of engagement. If the present age of Rakhi's mother is twice that of present age of Rakhi, then what was her mother's age (in years) at the time of her engagement?

(a) 50

(b) 40

(c) 30

(d) 60

Answer: (b)

12. In the following question, from the given alternative words, select the word which cannot be formed using the letters of the given word. Suspensefulness

(a) Sense

(b) Fuels

(c) Useful

(d) Fullness

Answer: (d)

13. In a certain code language, "BAD" is written as "7" and "SAP" is written as "9". How is "BAN" written in that code language?

(a) 8

(b) 3

(c) 4

(d) 6

Answer: (a)

14. In the following question, correct the equation by interchanging two signs. 9 x 3 + 8 ÷ 4 – 7 = 28
ENROLL NOW
READ THEIR STORIES !

(a) x and –

(b) + and –

(c) ÷ and +

(d) x and ÷

Answer: (d)

15. If 4 * 5 % 3 = 8000 and 2 * 3 % 2 = 36, th[illegible] %3=?

(a) 432

(b) 1728

(c) 36

(d) 144

Answer: (b)

18. In each of the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusion logically follows the given statements. Statements: I. Some pens are pencils. II. All pencils are erasers. Conclusions: I. Some pens are erasers. II. No pens are erasers. III. Some erasers are pencils.

(a) Only conclusion (II) follows.

(b) Only conclusion (I) and (II) follow.

(c) Only conclusion (I) and (III) follow.

(d) No conclusion follows.

Answer: (c)

General Awareness

26. At which rate, Reserve Bank of India borrows money from commercial banks?
    (a) Bank Rate
    (b) Repo Rate
    (c) Reverse Repo Rate
    (d) Statutory Liquidity Rate

    Answer: (c)

27. Movement along the supply curve is known as _____ .
    (a) Contraction of supply
    (b) Expansion of supply
    (c) Increase in supply
    (d) Expansion and contraction of supply

    Answer: (d)

28. What is the minimum age required to become vice-president of India?
    (a) 30 years
    (b) 35 years
    (c) 40 years
    (d) 37 years

    Answer: (b)

29. Which of the following "writ" of the High Court or the Supreme Court is issued to restrain a person from holding a public office which he is not entitled to?
    (a) Centiorari
    (b) Mandamus
    (c) Prohibition
    (d) Quo Warranto

    Answer: (d)

30. Who was the son of Chandragupta Maurya?
    (a) Bindusara
    (b) Chandragupta II
    (c) Ashoka
    (d) Binbsara

    Answer: (a)

31. Which dynasty came to power in India after the Tughlaq dynasty?
    (a) The Guptas
    (b) The Khiljis
    (c) The Mughals
    (d) The Sayyids

    Answer: (d)

32. Which planet is considered as the Dwarf planet?
    (a) Earth
    (b) Jupiter
    (c) Pluto
    (d) Saturn
    Answer: (c)

33. Sandstone is which type of rock?
    (a) Calcareous Rock
    (b) Igneous Rock
    (c) Metamorphic Rock
    (d) Sedimentary Rock
    Answer: (d)

34. Wheat is a _____.
    (a) Creeper
    (b) Herb
    (c) Shrub
    (d) Tree
    Answer: (b)

35. Snakes, turtle, lizards and crocodiles falls under which category of animals?
    (a) Pisces
    (b) Amphibian
    (c) Reptilian
    (d) Aves
    Answer: (c)

36. Which of the following instrument is used to measure Soil Water Tension?
    (a) Photometer
    (b) Pyrometer
    (c) Psychrometer
    (d) Tensiometer
    Answer: (d)

37. What is the SI unit of Force?
    (a) Pascal
    (b) Boyle
    (c) Newton
    (d) Watt
    Answer: (c)

38. Which one of the following is a bad Thermal Conductor?
    (a) Aluminium
    (b) Copper
    (c) Glass
    (d) Silver

    Answer: (c)

39. Which of the following stores data permanently in a computer?
    (a) ALU
    (b) Cache Memory
    (c) RAM
    (d) ROM

    Answer: (d)

40. Rusting is _____.
    (a) Electrolysis
    (b) Oxidation
    (c) Redox reaction (Oxidation and Reduction)
    (d) Reduction

    Answer: (b)

41. Which amongst the following is not a Cation?
    (a) Aluminium ion
    (b) Copper ion
    (c) Sulphate ion
    (d) Zinc ion

    Answer: (c)

42. Which of the following is not a component of Smog?
    (a) Volatile organic compounds
    (b) Nitrogen Oxide
    (c) Sulphur dioxide
    (d) Chlorine oxide

    Answer: (d)

43. NITI Aayog has been formed to replace which of the following institution?
    (a) Planning Commission
    (b) IRDA
    (c) Department of Telecommunications (DoT)
    (d) Department of Information Technology

    Answer: (a)

44. Who invented first working laser?
    (a) A. H. Taylor
    (b) W. K. Roentgen
    (c) T. H. Maiman
    (d) Fred Morrission

    Answer: (c)

47. Who is the only Indian cricketer to have received the Polly Umrigar award 3 times?
    (a) Sachin Tendulkar
    (b) Virender Sehwag
    (c) Virat Kohli
    (d) Ravichandran Ashwin

    Answer: (c)

48. Who is the author of the book titled "The Sellout"?
    (a) Paul Beatty
    (b) Arvind Adiga
    (c) Elenor Catton
    (d) Howard Jacobson

    Answer: (a)

49. Which country was designated as the major defe partner of USA in December, 2016?
    (a) Canada
    (b) Israel
    (c) India
    (d) United Kingdom

    Answer: (c)

50. With which country India did its seventh edition of bilateral EKUVERIN Exercise 2016 at Kadhdhoo?
    (a) Nepal
    (b) Pakistan
    (c) Maldives
    (d) Bhutan

    Answer: (c)

Quantitative Aptitude

51. If X and Y are the two digits of the number 347XY such that the number is completely divisible by 80, then what is the value of X + Y?
    (a) 2
    (b) 4
    (c) 6
    (d) 8

    Answer: (a)

52. A, B and C can complete a work in 20, 24 and 30 days respectively. All three of them starts together but after 4 days A leaves the job and B left the job 6 days before the work was completed. C completed the remaining work alone. In how many days was the total work completed?

(a) 10

(b) 12

(c) 14

(d) 16

Answer: (c)

53. A solid sphere of diameter 17.5 cm is cut into two equal halves. What will be the increase (in cm2) in the total surface area?

(a) 289

(b) 361.5

(c) 481.25

(d) 962.5

Answer: (c)

54. After a discount of 34% an article is sold for Rs 3168. What is the marked price (in Rs) of the article?

(a) 4750

(b) 4800

(c) 4850

(d) 5000

Answer: (b)

56. The average of 17 results is 60. If the average of first 9 results is 57 and that of the last 9 results is 65, then what will be the value of 9th result?

(a) 39

(b) 78

(c) 117

(d) 156

Answer: (b)

57. For an article the profit is 170% of the cost price. If the cost price increases by 20% but the selling price remains same, then what is the new profit percentage?

(a) 41

(b) 50

(c) 75

(d) 125

Answer: (d)

58. 32% of a number exceeds 17% of the same number by 120. What is the value of the number?

(a) 900

(b) 860

(c) 940

(d) 800

Answer: (d)

60. A person lent certain sum of money at 5% per annum simple interest and in 15 years the interest amounted to Rs 250 less than the sum lent. What was the sum lent (in Rs)?

(a) 1000

(b) 1500

(c) 2400

(d) 3000

Answer: (a)

65. In the triangle ABC, ∠BAC = 50° and the bisectors of ∠ABC and ∠ACB meets at P. What is the value (in degrees) of ∠BPC?

(a) 100

(b) 105

(c) 115

(d) 125

Answer: (c)

66. Two circles of same radius intersect each other at P and Q. If the length of the common chord is 30 cm and distance between the centres of the two circles is 40 cm, then what is the radius (in cm) of the circles?

(a) 25

(b) $25\sqrt{2}$

(c) 50

(d) $50\sqrt{2}$

Answer: (a)

68. In ΔPQR, ∠R = 54°, the perpendicular bisector of PQ at S meets QR at T. If ∠TPR = 46°, then what is the value (in degrees) of ∠PQR?

(a) 25

(b) 40

(c) 50

(d) 60

Answer: (b)

71. If cos2 θ – sin θ = ¼, then what is the value of sin θ?

(a) –1

(b) 1/2

(c) 1

(d) 3/2

Answer: (b)

72. What is the percentage increase in number of students of Commerce from 2012 to 2016?

(a) 11.16

(b) 17.28

(c) 13.51

(d) 15.67

Answer: (c)

73. What is the simple annual growth rate (in %) of the number of students of Business from 2012 to 2016?

(a) 10

(b) 12.5

(c) 15

(d) 17.5

Answer: (b)

74. What is the ratio of average number of students studying Arts per year and average number of students studying Science per year?

(a) 169 : 331

(b) 66 : 169

(c) 127 : 261

(d) 32 : 75

Answer: (a)

75. Which year shows the maximum percentage increase in the total number of students in these 4 subjects over the previous year?

(a) 2013

(b) 2014

(c) 2015

(d) 2016

Answer: (c)

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 two men were (1)/ quarrelling with one another (2)/ claiming the same watch as their own. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

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'. Everybody knows (1)/ that Bhutan is the most peaceful (2)/ of all other countries of the world. (3)/ No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

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. The higher you climb, the more difficult it _____ to breathe

(a) became

(b) becomes

(c) has become

(d) is becoming

Answer: (b)

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. Neha has been crying _____ morning.

(a) from

(b) of

(c) since

(d) till

Answer: (c)

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

(a) Fake

(b) Gloomy

(c) Rich

(d) Selfish

Answer: (c)

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

(a) Flatter

(b) Gloomy

(c) friendly

(d) Savvy

Answer: (b)

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

(a) Attract

(b) Discourage

(c) Irritate

(d) Please

Answer: (d)

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

(a) Free

(b) Odd

(c) Plain

(d) Queer

Answer: (c)

84. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. [illegible] the wolf from the door

(a) Avoid starvation

(b) Crack the deal

(c) Entry prohibited

(d) Have a pleasant tour

Answer: (a)

85. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. Teething problems

(a) Oral problems

(b) Problems at the start of a new project

(c) Problems for quite a long time in adjusting in the new place

(d) Problem of having good dentist

Answer: (b)

86. Improve the bracketed part of the sentence. She did not like to have coffee (nor I did).

(a) neither I liked it

(b) nor did I

(c) nor I like it

(d) No improvement

Answer: (b)

87. Improve the bracketed part of the sentence. Taj Mahal is (a worth seeing monument) in Agra.

(a) a monument to see its worth

(b) a monument worth seeing

(c) one of worth seeing monuments

(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 phrase. That which cannot be corrected

(a) Impregnable

(b) Immolation

(c) Incorrigible

(d) Ineligible

Answer: (c)

89. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. A person who is blamed for the wrong doings of others

(a) Bursar

(b) Captor

(c) Phlegmatic

(d) Scapegoat

Answer: (d)

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

(a) Conceive

(b) Leisure

(c) Neice

(d) Reign

Answer: (c)

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

(a) Dictionory

(b) Irrelevant

(c) Perishable

(d) Tangible

Answer: (a)

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. P- It had been umpteen years since we had seen each other. Q- One dull dark day in autumn, I was travelling on horseback through a dreary stretch of countryside. R- This was the house of Roderick Usher, who had been my childhood pal. S- At night fall, I came in sight of the house of Usher.

(a) PQSR

(b) PSQR

(c) QSRP

(d) QRSP

Answer: (c)

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. P- According to various estimates, between 1942 and 1944 there were approximately 400 victims of this practice daily in Warsaw alone, with numbers on some days reaching several thousands. Q- A common German practice in occupied Poland was to round up random civilians on the streets of Polish cities. R- For example, on 19th September 1942 close to 3000 men and women were transported by train to Germany – they had been caught in the massive round-ups all over Warsaw the previous two days. S- The term, "lapanka" carried a sardonic connotation from the word's earlier use for the children's game known in English as "tag".

(a) SQRP

(b) SRPQ

(c) QSPR

(d) QPRS

Answer: (c)

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. An elephant may be helped even by an ant.

(a) An ant can even help a elephant.

(b) An ant may even help a elephant.

(c) Even an ant may help an elephant.

(d) Even an ant ought to help an elephant.

Answer: (c)

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 Direct/Indirect speech. "Please don't cry" he said.

(a) He begged that I should not cry.

(b) He begged me not to cry.

(c) He said to please him and not cry.

(d) He told me to not to cry.

Answer: (b)

Passage — for questions 96–100

> In the following questions, 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 _____ of lectures could be enhanced by introducing the lecture with a brief review of the work _____, it should also be indicated how the day's lecture _____ into the course pattern. A lecture should _____ be presented in one unbroken discourse. Unless exceptionally interesting, a long lecture strains the _____ of a concentrated listening, causing intermittent wandering of attention and loss of continuity in thought.

96. The _____ of lectures could be enhanced by introducing the lecture
    (a) condition
    (b) effectiveness
    (c) efficiency
    (d) interest
    Answer: (b)

97. with a brief review of the work _____, it should also be indicated
    (a) ascending
    (b) preceding
    (c) reciting
    (d) succeeding
    Answer: (b)

98. how the day's lecture _____ into the course patter
    (a) adds
    (b) fits
    (c) gets
    (d) lets
    Answer: (b)

99. A lecture should _____ be presented in one unbroken discourse.
    (a) continuously
    (b) often
    (c) randomly
    (d) seldom
    Answer: (d)

100. a long lecture strains the _____ of a concentrated listening, causing intermittent wandering of attention and loss of continuity in thought.
    (a) authority
    (b) capacity
    (c) comfortability
    (d) reasonability
    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	**(a)**	3	**(c)**	4	**(c)**	6	**(a)**	7	**(d)**	8	**(a)**	9	**(d)**
11	**(b)**	12	**(d)**	13	**(a)**	14	**(d)**	15	**(b)**	18	**(c)**				

General Awareness

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

Quantitative Aptitude

51	**(a)**	52	**(c)**	53	**(c)**	54	**(b)**	56	**(b)**	57	**(d)**	58	**(d)**	60	**(a)**
65	**(c)**	66	**(a)**	68	**(b)**	71	**(b)**	72	**(c)**	73	**(b)**	74	**(a)**	75	**(c)**

English Comprehension

76	**(b)**	77	**(c)**	78	**(b)**	79	**(c)**	80	**(c)**	81	**(b)**	82	**(d)**	83	**(c)**
84	**(a)**	85	**(b)**	86	**(b)**	87	**(b)**	88	**(c)**	89	**(d)**	90	**(c)**	91	**(a)**
92	**(c)**	93	**(c)**	94	**(c)**	95	**(b)**	96	**(b)**	97	**(b)**	98	**(b)**	99	**(d)**
100	**(b)**														