PREVIOUS YEAR PAPER

SSC CGL 2017 Tier I — 18 August 2017, Shift 1

SSC CGL · 18 August 2017 · 10:00 AM - 11:00 AM

86 of the paper's 95 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 18 August 2017, 10:00 AM - 11:00 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-2017-tier-1-18-aug-shift-1/

General Intelligence and Reasoning

1. Select the related word from the given alternatives. Square : 90o :: Equilateral triangle : ?
   (a) 30o
   (b) 60o
   (c) 90o
   (d) 120o
   Answer: (b)

2. Select the related letters from the given alternatives. ILN : FIK :: RUW : ?
   (a) ORT
   (b) PSU
   (c) NQS
   (d) LNQ
   Answer: (a)

3. Select the related number from the given alternatives. 99 : 101 :: 100 : ?
   (a) 90
   (b) 110
   (c) 111
   (d) 102
   Answer: (d)

4. Select the odd word from the given alternatives.
   (a) Football
   (b) Hockey
   (c) Carrom
   (d) Cricket
   Answer: (c)

5. Select the odd letters from the given alternatives.

(a) ACE

(b) FHJ

(c) QTW

(d) KMO

Answer: (c)

6. Select the odd number from the given alternatives.

(a) 121

(b) 44

(c) 66

(d) 111

Answer: (d)

7. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series. tub, size, latin, formal, ?

(a) smooth

(b) idle

(c) scramble

(d) capital

Answer: (d)

9. A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series. 2, 5, 10, 17, ? , 37

(a) 24

(b) 30

(c) 32

(d) 26

Answer: (d)

10. Gurkiran's birthday is on Sunday 21st May. On what day of the week will be Shreyas's Birthday in the same year if Shreyas was born on 14th November?

(a) Tuesday

(b) Wednesday

(c) Friday

(d) Saturday

Answer: (a)

11. The weights of 4 boxes are 40, 70, 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) 240

(b) 160

(c) 200

(d) 220

Answer: (d)

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

(a) THING

(b) MIGHT

(c) HAUNT

(d) THUMB

Answer: (c)

13. If HUMBLED is coded as JWODNGF, then how will WAX be coded as?

(a) DHP

(b) YCZ

(c) VIS

(d) JMH

Answer: (b)

14. In a certain code language, '+' represents '×', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question? 60 x 5 + 3 ÷ 24 - 6 = ?

(a) 18

(b) 94

(c) 9

(d) 57

Answer: (a)

15. If 9@3=12; 15@4=22; 16@14=4; then what is the value of 6@2=?

(a) 26

(b) 1

(c) 30

(d) 8

Answer: (d)

17. Two motorcyclists P and Q start from the same point. P rides 11 km West, then turns South and rides 16 km, then turns to his right and rides 14 km. Q rides 30 km South, then turns to his right and rides 25 km. Where is Q with respect to P now?

(a) 14 km North

(b) 14 km South

(c) 44 km South

(d) 44 km North

Answer: (b)

18. In the question a statement is given, followed by two arguments, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, is a strong argument. Statement : Should mango export be banned to bring down domestic prices? Argument I : Yes, environmentalists and dieticians too encourage eating only local fruits. Argument II : No, exports bring in valuable foreign currency.

(a) if only argument I is strong.

(b) if only argument II is strong.

(c) if both I and II are strong.

(d) if neither I nor II is strong.

Answer: (b)

25. The closest example of a centrally planned economy is the _____ for the major part of the 20th Century.

(a) USA

(b) India

(c) Soviet Union

(d) Japan

Answer: (c)

General Awareness

26. _____ is the relationship between the variable input and output, keeping all other inputs are held constant.

(a) Total product

(b) Average product

(c) Isoquant

(d) The Long Run

Answer: (a)

27. _____ means cases that can be directly considered by the Supreme Court without going to the lower courts before that.

(a) Original Jurisdiction

(b) Writ Jurisdiction

(c) Appellate Jurisdiction

(d) Advisory Jurisdiction

Answer: (a)

28. Under which of the following jurisdiction can any individual, whose fundamental right has been violated, can directly move the Supreme Court for remedy?

(a) Original Jurisdiction

(b) Writ Jurisdiction

(c) Appellate Jurisdiction

(d) Advisory Jurisdiction

Answer: (b)

29. During their rule the British persuaded or forced cultivators in Bengal to grow _____.

(a) Jute

(b) Tea

(c) Sugarcane

(d) Wheat

Answer: (a)

30. The Mongols under _____ invaded Transoxiana in north-east Iran in 1219.

(a) Timur Lang

(b) Nadir Shah

(c) Ahmed Shah Abdali

(d) Genghis Khan

Answer: (d)

31. In the biosphere living beings are inter-related and interdependent on each other for survival. This life supporting system is known as the _____

(a) Ecosystem

(b) Mountain range

(c) Forest

(d) Atmosphere

Answer: (a)

32. The part of the Himalayas between Tista and Dihang rivers is known as _____ Himalayas.

(a) Nepal

(b) Kashmir

(c) Assam

(d) Jammu

Answer: (c)

33. Other name of Platelets is?

(a) Leucocytes

(b) Erythrocytes

(c) Platelets

(d) Thrombocytes

Answer: (d)

34. In stems, the protoxylem lies towards the centre and the metaxylem lies towards the periphery of the organ. This type of primary xylem is called _____.

(a) Xylem fibres

(b) Xylem parenchyma

(c) Exarch

(d) Endarch

Answer: (d)

35. _____ is the second largest animal phylum.

(a) Mollusca

(b) Chordata

(c) Coelomates

(d) Anneldia

Answer: (a)

36. In a qualitative way, the tendency of undisturbed objects to stay at rest or to keep moving with the same velocity is called _____.

(a) force

(b) acceleration

(c) friction

(d) inertia

Answer: (d)

37. The time taken by a pendulum to complete one oscillation is called its?

(a) Maximum speed

(b) Average speed

(c) Time period

(d) Time interval

Answer: (c)

38. Teach Text' is a text editor in which of the following operating systems?

(a) Windows

(b) Google Chrome

(c) Mozilla Firefox

(d) Macintosh

Answer: (d)

39. Metals react with sodium hydroxide to produce _____.

(a) oxygen gas

(b) sodium

(c) water

(d) hydrogen gas

Answer: (d)

40. Which base is present in lime water?
    (a) Sodium hydroxide
    (b) Magnesium hydroxide
    (c) Calcium hydroxide
    (d) Ammonium hydroxide

    Answer: (c)

41. Presence of large amounts of nutrients in waters also causes excessive growth of _____ algae.
    (a) Biomagnification
    (b) Algal bloom
    (c) planktonic
    (d) Eutrophication

    Answer: (c)

42. _____ scheme launched by the Central Government plans to issue soil cards to farmers which will carry crop-wise recommendations of nutrients and fertilisers.
    (a) Soil Health Card
    (b) Shyama Prasad Mukherji Rurban Mission
    (c) Pradhan Mantri Fasal Bima Yojana
    (d) National R-URBAN Mission

    Answer: (a)

43. Who invented the electric tram?
    (a) James Cook
    (b) William Harvey
    (c) Fyodor Pirotsky
    (d) Robert Boyles

    Answer: (c)

44. Who was the 2015 Men's Rugby World Cup Winner?
    (a) New Zealand
    (b) South Africa
    (c) Australia
    (d) England

    Answer: (a)

45. Indian Mughal paintings originated during the rule of which Mughal Emperor?
    (a) Humayun
    (b) Akbar
    (c) Jahangir
    (d) Shah Jahan

    Answer: (a)

46. Which of the following won the Best Film in 62nd Filmfare Awards 2017?
    (a) Dangal
    (b) Rustom
    (c) Airlift
    (d) Udta Punjab
    Answer: (a)

47. Which of the statements given below are correct? 1. The author of the novel 'Forty Thieves' is Thomas Perry. 2. The author of the novel 'Half of a Yellow Sun' is Jennifer Egan. 3. The author of the novel 'Middlesex' is Chimamanda Ngozi Adichie.
    (a) 1 and 2
    (b) 2 and 3
    (c) 1 and 3
    (d) 1, 2 and 3
    Answer: (b)

48. What was USA's rank in 2016 Human Development Index published by the United Nations Development Programme?
    (a) 1
    (b) 10
    (c) 100
    (d) 200
    Answer: (b)

49. The Delhi – Lahore Bus is officially known as _____.
    (a) Sada-e-Sarhad
    (b) Maitree bus
    (c) Yaad-e-Shaheed
    (d) Dosti bus
    Answer: (a)

50. What is the remainder when 6729 is divided by 35?
    (a) 11
    (b) 7
    (c) 19
    (d) 13
    Answer: (c)

Quantitative Aptitude

51. A, B and C can finish a job working alone in 72, 24 and 36 days respectively. In how many days they can finish the job if they worked together?

(a) 12
(b) 9
(c) 15
(d) 18

Answer: (a)

52. Area of 4 walls of a cuboid is 448 sq cm, its length is 18 cm and height is 8 cm. What is its breadth (in cm)?

(a) 10
(b) 9
(c) 8
(d) 7

Answer: (a)

53. At 10% discount the selling price of an article is Rs 4500, what is the selling price (in Rs) if the discount is 27.5%?

(a) 4000
(b) 3625
(c) 3500
(d) 3125

Answer: (b)

54. What is the fourth proportional to 72, 16[illegible] and 1[illegible]?

(a) 450
(b) 300
(c) 350
(d) 400

Answer: (c)

55. What is the average of all numbers between 11 and 80 which are divisible by 6?

(a) 46
(b) 47
(c) 44
(d) 45

Answer: (d)

56. A trader had 960 kgs of rice. He sold a part of it at 20% profit and the rest at 8% profit, so that he made a total profit of 12%. How much rice (in kgs) did he sell at 8% profit?

(a) 460
(b) 560
(c) 540
(d) 640

Answer: (d)

57. If 40% of x = y, then y% of 40 is same as _____ of x.

(a) 16%

(b) 4%

(c) 8%

(d) 160%

Answer: (a)

58. Excluding stoppages, the speed of a bus is 72 kmph and including stoppages, it is 60 kmph. For how many minutes does the bus stop per hour?

(a) 12

(b) 8

(c) 15

(d) 10

Answer: (d)

59. The simple and compound interest that can be earned in two years at the same rate is Rs 1500 and Rs 1575 respectively. What is the rate (% per annum) of interest?

(a) 8

(b) 10

(c) 12

(d) 5

Answer: (b)

60. If [7(5x/3 - 3/2)]/2 + 3/2 = 1/4, then what is the value of x?

(a) 35/24

(b) 24/35

(c) -24/35

(d) -35/24

Answer: (b)

61. If a3 + b3 = 19 and ab = -6 , then what is the value of a + b?

(a) 5

(b) 7

(c) 1

(d) -5

Answer: (c)

62. Sum of four times a fraction and 6 times its reciprocal is 11. What is the fraction?

(a) 3/4

(b) 4/3

(c) 4/7

(d) 7/4

Answer: (a)

63. What is the sum of the first 12 terms of an arithmetic progression if the 3rd term is -13 and the 6th term is -4?

(a) 67

(b) 45

(c) -30

(d) -48

Answer: (c)

64. What is the reflection of the point (5, 2) in the line x = -3?

(a) (-11 ,2)

(b) (-11 ,-2)

(c) (11 ,-2)

(d) (11 ,2)

Answer: (a)

65. What are the co-ordinates of the centroid of a triangle, whose vertices are A(1, -5), B(4, 0) and C(-2, 2)?

(a) (1 , -1)

(b) (-1 , 1)

(c) (2 , -2)

(d) (-2 , 2)

Answer: (a)

66. Slope of the line AB is -4/3. Co-ordinates of poi A and B are (x, -5) and (-5, 3) respectively. What is the value of x?

(a) -1

(b) 2

(c) -2

(d) 1

Answer: (d)

67. D and E are points on side AB and AC of ΔABC. DE is parallel to BC. If AD:DB = 2:5 and area of Δ ADE is 8 sq cm, what is the ratio of area of ΔADE: area of quadrilateral BDEC?

(a) (4:45)

(b) (45:4)

(c) (8:45)

(d) (45:8)

Answer: (a)

68. What is the value of √2 Sec 45o - Tan 30o?

(a) (2√3 - 1)/3

(b) (√3 - 1)/√3

(c) (2√3 - 1)/√3

(d) (√3 - 1)/3

Answer: (c)

69. ΔABC is right angled at B. If m ∠A = 60°, then what is the value of 1/√3 Cosec C?

(a) 2/√3

(b) 2/3

(c) √2/√3

(d) √2/3

Answer: (a)

71. 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'. Several great battles (1)/ took place among (2)/ the British and the Americans. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

72. 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 stream gurgled (1)/ contentedly as it (2)/ slowed to rounding the bend. (3)/No Error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

73. 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 criminal changed his name to an _____ in order to elude the police.

(a) alternative

(b) alias

(c) option

(d) untrue

Answer: (b)

74. 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 _____ my husband and I had was so loud it woke our children.

(a) quarrel

(b) coral

(c) moral

(d) laurel

Answer: (a)

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

(a) Trash

(b) Order

(c) Possess

(d) System

Answer: (a)

English Comprehension

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

(a) Construct

(b) Annihilate

(c) Revive

(d) Initiate

Answer: (b)

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

(a) Skimp

(b) Conserve

(c) Squander

(d) Curtail

Answer: (c)

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

(a) Carouse

(b) Starve

(c) Imbibe

(d) Quaff

Answer: (b)

79. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. To heave a sigh of relief

(a) To ecome very tired with routine or boring work

(b) To suddenly feel very happy because something unpleasant has not happened or has ended

(c) To Feel extremely sad over someone else's misfortune

(d) To Feel silent anger over real or perceived injustice

Answer: (b)

80. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase. To be on cloud nine

(a) To extremely happy

(b) To feely lucky

(c) To experience the feeling of being intoxicated

(d) To make one last attempt

Answer: (a)

81. 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 was uneasy because she (never be) on a plane before.

(a) had never been

(b) never been

(c) is never been

(d) no improvement

Answer: (a)

82. 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". No one knows how he escaped (dash) to pieces.

(a) being dash

(b) being dashed

(c) dashed

(d) no improvement

Answer: (b)

83. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. The upward force that a fluid exerts on a body floating in it

(a) Upthrust

(b) Plunge

(c) Submerge

(d) Capsize

Answer: (a)

84. In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence. The use of irony to mock or convey contempt

(a) Sanction

(b) Flatter

(c) Compliment

(d) Sarcasm

Answer: (d)

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

(a) Threashing

(b) Thrasheing

(c) Threasheing

(d) Thrashing

Answer: (d)

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

(a) Conssensus

(b) Consenssus

(c) Consensus

(d) Conssenssus

Answer: (c)

87. 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. As for ourselves, we X-combing our hair Y-a good wash and Z-were contented with

(a) ZXY

(b) YZX

(c) YXZ

(d) ZYX

Answer: (d)

88. 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. If there is a X-corresponding sensation Y-kind, there has to be a Z-change in brain activity of a certain

(a) ZXY

(b) ZYX

(c) YZX

(d) YXZ

Answer: (b)

89. 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 fire destroyed the whole neighbourhood.

(a) The whole neighbourhood is destroyed by the fire.

(b) The whole neighbourhood was destroyed by the fire.

(c) The whole neighbourhood was being destroyed by the fire.

(d) The whole neighbourhood is being destroyed by the fire.

Answer: (b)

90. 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 accused said to the judge, "Let me meet my children before I die, sir."

(a) The accused requests the judge to let him meet his children before he died.

(b) The accused requested the judge to let him meet his children before he died.

(c) The accused begs the judge to allow him to meet his children before he dies.

(d) The accused begged the judge to let him meet his children before he dies.

Answer: (b)

Passage — for questions 91–95

> In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives. "Jim Crow" shuns the mountains for reasons satisfactory to himself; not so the magpie, the raven, and _____ mischief-maker, Clark's nutcracker. All of which keeps the bird-lover from the East in an ecstasy of surprises until he has _____ accustomed to his changed environment. One cannot help _____ into the speculative mood in view of the sharp contrasts _____ the birds of the East and _____ of the West.

91. magpie, the raven, and _____ mischief-maker, Clark's nutcracker.

(a) what

(b) it

(c) that

(d) there

Answer: (c)

92. until he has _____ accustomed to his changed environment.

(a) became

(b) becomes

(c) to be

(d) become

Answer: (d)

93. One cannot help _____ into the speculative mood

(a) to fall

(b) fallen

(c) falling

(d) fell

Answer: (c)

94. in view of the sharp contrasts _____

(a) beside

(b) beneath

(c) between

(d) below

Answer: (c)

95. the birds of the East and _____ of the West.

(a) whose

(b) this

(c) those

(d) whom

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	**(a)**	3	**(d)**	4	**(c)**	5	**(c)**	6	**(d)**	7	**(d)**	9	**(d)**
10	**(a)**	11	**(d)**	12	**(c)**	13	**(b)**	14	**(a)**	15	**(d)**	17	**(b)**	18	**(b)**
25	**(c)**														

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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