PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 31 August 2016, Shift 3

SSC CGL · 31 August 2016 · 4:15 PM - 5:30 PM

91 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: 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 31 August 2016, 4:15 PM - 5:30 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-2016-tier-1-31-aug-shift-3/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Coins : Mint :: Bricks : ?
   (a) Kiln
   (b) Foundry
   (c) Cementary
   (d) Finance
   Answer: (a)

2. Select the related word/letters/number from the given alternatives. MOLTU : ? :: HOPE : IPQF
   (a) MPNUV
   (b) NPMUV
   (c) NPMVU
   (d) MPNVU
   Answer: (b)

3. Select the related word/letters/number from the given alternatives. 456 : 15 :: 789 : ?
   (a) 22
   (b) 24
   (c) 26
   (d) 28
   Answer: (b)

4. For the following questions Find the odd word/letters/number pair from the given alternatives.
   (a) TOP
   (b) COP
   (c) MOP
   (d) JOP
   Answer: (d)

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

(a) BDF

(b) NQS

(c) TVX

(d) HJL

Answer: (b)

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

(a) (3 , 12)

(b) (2 , 6)

(c) (6 , 42)

(d) (5 , 35)

Answer: (d)

7. Arrange the following words as per order in the dictionary 1. Assassination 2. Association 3. Assimilate 4. Assimuthual

(a) 1,2,3,4

(b) 1,3,2,4

(c) 1,3,4,2

(d) 2,3,1,4

Answer: (c)

8. Choose the correct alternative from the given one that will complete the below series

(a) P/R

(b) C/O

(c) R/J

(d) O/C

Answer: (d)

9. Find the wrong number in the series. 225, 206, 188, 176, 165, 158, 153

(a) 225

(b) 188

(c) 176

(d) 153

Answer: (b)

10. The sum of the ages of father and a son presently is 70 years. After 10 years, the son's age is exactly half that of the father. What are their ages now?

(a) 45 years, 25 years

(b) 50 years, 20 years

(c) 47 years, 23 years

(d) 50 years, 25 years

Answer: (b)

11. If the third day of a month is Tuesday, which of the following would be the 25th day of that month?

(a) Tuesday

(b) Monday

(c) Wednesday

(d) Sunday

Answer: (b)

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

(a) DISTANCE

(b) STANCE

(c) MUSIC

(d) CIRCUS

Answer: (a)

13. If BUDDHISM is coded as DWFFJKUO then CHRISTIAN will be coded as _____ .

(a) EITJUVKBP

(b) EJTKUVJCO

(c) EJTKVUJCP

(d) EJTKUVKCP

Answer: (d)

14. Some equations are solved on the basis of certa system. Find out the correct answer for unsolved equation on that basis: 4 x 5 x 8 84, 7 3 x 9 = 397, 9 x 7 x 3 = ?

(a) 397

(b) 793

(c) 973

(d) 739

Answer: (d)

15. If - means ÷ , + means x , ÷ means - , x means +, then which of the following equations is correct?

(a) 43 x 7 ÷ 5 + 4 - 8 = 25

(b) 48 ÷ 5 + 8 x 10 - 2 = 03

(c) 36 x 4 - 12 + 5 ÷ 3 = 420

(d) 42 + 5 ÷ 6 x 8 - 3 = 28

Answer: (b)

16. Find the missing number from the given response.

(a) 58

(b) 65

(c) 64

(d) 51

Answer: (b)

17. Facing the East, Rahul turned left and walked 10m, then he turned to his left again and walked 10m. He then turned towards his right and went straight to cover 25m. In which direction is he from his starting point?

(a) North-West

(b) North-East

(c) South-West

(d) South-East

Answer: (a)

18. Consider the given statement/s to be true and decide which of the given conclusions/ assumptions can definitely be drawn from the given statement. Statement: Laugh and the world will laugh with you. Assumptions: I. People generally laugh. II. Laughter symbolises happiness.

(a) Only I is an assumption

(b) Only II is an assumption

(c) Both I and II are assumptions

(d) Neither I nor II is an assumption

Answer: (d)

25. In this question, 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 first by its row and next by its column, e.g., 'D' can be represented by 01, 13, etc., and 'N' can be represented by 59, 66, etc. You have to identify the sets for the word 'HEEL'

(a) 67, 21, 14, 98

(b) 75, 88, 65, 01

(c) 68, 65, 60, 10

(d) 68, 65, 50, 01

Answer: (a)

General Awareness

26. The term 'Macro Economics' was used by _____ .

(a) J.M. Keynes

(b) Ragner Frisch

(c) Ragner Nurkse

(d) Prof. Knight

Answer: (b)

27. Who was the first Chancellor of Jamia Millia Islamia University at Aligarh?

(a) Abdul Ghaffar Khan

(b) Rajkumari Amrit Kaur

(c) Hakim Ajmal Khan

(d) Sir Sayyad Ahmad Khan

Answer: (c)

28. Who were the patrons of Sangama Literature?
    (a) Nayakas
    (b) Chandellas
    (c) Pandyas
    (d) Solankis

    Answer: (c)

29. Where in India was the first French factory established?
    (a) Surat
    (b) Pondicherry
    (c) Chandannagore
    (d) Masulipatnam

    Answer: (a)

30. Which algorithm is used to decide the path to transfer the packets from source to destination?
    (a) Routing
    (b) Pathing
    (c) Selecting
    (d) Directing

    Answer: (a)

31. Which one of the following is an ohmic conductor?
    (a) Germanium
    (b) Silicon
    (c) Carbon
    (d) Silver

    Answer: (d)

32. Which mechanism is used by the computer virus 'worm' to duplicate itself?
    (a) Swap
    (b) Increment
    (c) Spawn
    (d) Swarm

    Answer: (c)

33. The first Commonwealth Games in 1930 was held in which country?
    (a) Australia
    (b) England
    (c) New Zealand
    (d) Canada

    Answer: (d)

34. The gentle 'seaward sloping' surface from the coasts is called _____.
    (a) Continental shelf
    (b) Continental rise
    (c) Abyssal plains
    (d) Submarine ridges

    Answer: (a)

35. The aim of Differentiated Interest Scheme was to provide concessional loans to _____ .
    (a) weaker section of the society
    (b) Public Sector Industries
    (c) Public Limited Companies
    (d) big exports

    Answer: (a)

36. Anemometer is an instrument meant for measuring _____ .
    (a) velocity
    (b) air masses
    (c) wind speed
    (d) temperature

    Answer: (c)

37. Tax on inheritance is called _____ .
    (a) Excise duty
    (b) Estate duty
    (c) Gift tax
    (d) Sales tax

    Answer: (b)

38. The silver coin 'tanka' was introduced by _____ .
    (a) Qutubuddin Aibak
    (b) Iltutmish
    (c) Balban
    (d) Bahram Khan

    Answer: (b)

39. Which of the following international prizes/awards is given for outstanding contribution in the field of Journalism?
    (a) Oscar Award
    (b) Booker Prize
    (c) Pulitzer Prize
    (d) Sullivan Award

    Answer: (c)

40. The country which tops in the production of cocoa is _____ .
    (a) Ghana
    (b) Brazil
    (c) Ivory Coast
    (d) Nigeria

    Answer: (a)

41. Increased RBC's in the blood leads to a condition called _____ .
    (a) Anemia
    (b) Haemophilia
    (c) Polycythemia
    (d) Leukaemia

    Answer: (c)

42. The spring balance works on the principle of _____ .
    (a) Boyle's Law
    (b) Hooke's Law
    (c) Bernoulli's principle
    (d) Pascal's Law

    Answer: (b)

43. If there were no gravity, which of the following wi' ɔt be there for a fluid?
    (a) Viscosity
    (b) Surface Tension
    (c) Pressure
    (d) Upward Thrust

    Answer: (d)

44. Calcium salts used as fertilizer is:
    (a) Calcium Carbide
    (b) Calcium Carbonate
    (c) Calcium Cyanide
    (d) Calcium Sulphate

    Answer: (d)

45. The Jawaharlal Nehru Award is given for _____ .
    (a) Government service
    (b) Literary work
    (c) International understanding
    (d) Social work

    Answer: (c)

46. Which of the following is called 'Queen of the Adriatic'?
    (a) Venice
    (b) Rome
    (c) Flanders
    (d) Lisbon

    Answer: (a)

47. The liberation of oxygen during photosynthesis is due to _____ .
    (a) hydrolysis of carbohydrates
    (b) photolysis of water
    (c) reduction of CO2
    (d) breakdown of chlorophyll

    Answer: (b)

48. Formic acid is produced by _____ .
    (a) White ants
    (b) Cockroaches
    (c) Red ants
    (d) Mosquitoes

    Answer: (c)

49. Which one of the following forms of phosphorus is most reactive?
    (a) Black phosphorus
    (b) White phosphorus
    (c) Violet phosphorus
    (d) Red phosphorus

    Answer: (b)

50. Zubin Mehta is associated with _____ .
    (a) Literature
    (b) Painting
    (c) Music
    (d) Journalism

    Answer: (c)

Quantitative Aptitude

51. If 310 x 272 = 92 x 3n then the value of n is
    (a) 10
    (b) 12
    (c) 15
    (d) 30

    Answer: (b)

52. The radius of two cylinders are in the ratio of 3:2 and their heights are in the ratio 3:7. The ratio of their volumes is :

(a) 4:7

(b) 7:4

(c) 28:27

(d) 27:28

Answer: (d)

53. The list price (marked price) of an article is Rs. 900 and is available at two successive discounts of 20% and 10% ; the selling price of the article,in rupees, is

(a) 640

(b) 648

(c) 720

(d) 738

Answer: (b)

54. A, B and C enter into a partnership, investing Rs. 6000. A invests Rs. 1000 and B and C invests in the ratio of 2:3. Find the profit of C, when the annual profit is Rs. 2400

(a) Rs.600

(b) Rs.1200

(c) Rs.1800

(d) Rs.1950

Answer: (b)

55. Average of two numbers is 8 and average of other three numbers is 3 ; the average of the five numbers is

(a) 2

(b) 3

(c) 5

(d) 6

Answer: (c)

56. To make a profit of 20% the selling price of the good is Rs. 240. The cost price of the good is,

(a) Rs. 200

(b) Rs. 210

(c) Rs. 220

(d) Rs. 230

Answer: (a)

57. In an examination, 35% of total students failed in Hindi, 45% failed in English and 20% failed in both. Find the percentage of those studnets who passed in both the subjects ?

(a) 45%

(b) 35%

(c) 20%

(d) 40%

Answer: (d)

58. A man travels 50 km at speed 25 km/h and next 40 km at 20 km/h and there after travel 90km at 15 km/h. His average speed is

(a) 18

(b) 25

(c) 20

(d) 15

Answer: (a)

61. The orthocentre of a triangle lies on one of the sides. Then_____

(a) The orthocentre lies on a vertex

(b) circumcentre lies outside the triangle

(c) circumcentre lies on the same side

(d) centroid coinsides with orthocente

Answer: (a)

62. Three sides of a triangle are 5 cm, 9 cm and x c The minimum integral value of x is

(a) 2

(b) 3

(c) 4

(d) 5

Answer: (d)

64. If 5 person together can make 5 mats in 5 hrs, then 10 person in 10 hours will make

(a) 20 mats

(b) 10 mats

(c) 15 mats

(d) 5 mats

Answer: (a)

65. If a + b = 17 and a - b = 9 then the value of (4a2 + 4b2) is,

(a) 710

(b) 720

(c) 730

(d) 740

Answer: (d)

66. If x +y = √3 and x - y = √2, then the value of 8xy (x2 + y2) is

(a) 6

(b) √6

(c) 5

(d) √5

Answer: (c)

67. The length of a chord which is at a distance of 5cm from the centre of a circle of radius 13cm is

(a) 18cm

(b) 24cm

(c) 25cm

(d) 30cm

Answer: (b)

68. If the measures of the angles of a triangle are in the ratio. 1:2:3 and if the length of the smallest side of the triangle is 10cm, then the length of the longest side is

(a) 20cm

(b) 25cm

(c) 30cm

(d) 35cm

Answer: (a)

69. If cosA + cos2A = 1 then the value of sin2A + sin is :

(a) ½

(b) ¼

(c) 1/3

(d) 1

Answer: (d)

70. A sum of Rs. 3000 amounts to Rs. 6000 in two years at compound interest. The interest for four years is

(a) Rs.9000

(b) Rs.12000

(c) Rs.6000

(d) Rs.3000

Answer: (a)

71. The angles of depression of two ships from the top of a light house are 45° and 30° toward east. If the ships are 200m apart, the height of the light house is (take √3=1.73)

(a) 273m

(b) 270m

(c) 253m

(d) 263m

Answer: (a)

72. This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions
The number of donors having blood group 'O' is:

(a) 50
(b) 42
(c) 30
(d) 34

Answer: (b)

73. This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions
The number of persons having either blood group 'A' or blood group 'B' is

(a) 84
(b) 96
(c) 78
(d) 54

Answer: (a)

74. This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions
What is the percentage of donor having blood group 'AB' ?

(a) 61%
(b) 26%
(c) 16%
(d) 36%

Answer: (c)

75. This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions
The ratio of donors having blood group 'A' to the average of the donors having blood group 'O' , 'B' and 'AB' is

(a) 4:3
(b) 4:5
(c) 5:4
(d) 3:4

Answer: (d)

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. ARDUOUS

(a) FERVENT
(b) STRONG
(c) ENTHUSIASTIC
(d) STRENUOUS

Answer: (d)

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. QUIESCENT

(a) IGNORANT

(b) DORMANT

(c) INNOCENT

(d) IMPROPER

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) Commemmorate

(b) Commemorate

(c) Comemmorate

(d) Comemorate

Answer: (b)

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. Beside, writing is my hobby, (A) / I had ideas for a couple of short stories (B) / that needed further thought. (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. He recommended (A) / my case (B) / with the supervisor (C) / No Error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. Her knowledge in English (A) / gives her great advantage (B) / over me. (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. Do not _____ your own personal views upon the reader.

(a) expose

(b) interpose

(c) express

(d) impose

Answer: (d)

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. This school isn't _____ from the last one.

(a) more different

(b) any different

(c) difference

(d) any difference

Answer: (b)

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. I have decided _____ my course of action.

(a) upon

(b) with

(c) for

(d) of

Answer: (a)

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. To bury the hatchet

(a) To make peace

(b) To dig the ground

(c) To negotiate

(d) To make war

Answer: (a)

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. Selling like hot cakes

(a) To have a good season

(b) To become as planned

(c) To have a very slow sale

(d) To have a very good sale

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. Scot free

(a) Unlimited

(b) Unpunished

(c) To freedom

(d) Unrepentant

Answer: (b)

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 thing no longer in use

(a) Illusion

(b) Illegal

(c) Obsolete

(d) Historic

Answer: (c)

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. A place where astronomical observations are made

(a) Laboratory

(b) Observatory

(c) Astrolibrary

(d) Astrophery

Answer: (b)

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. Killing one's sister

(a) Regicide

(b) Fratricide

(c) Matricide

(d) Sororicide

Answer: (d)

91. 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. Government officials keep throwing the buck to others.

(a) giving

(b) passing

(c) donating

(d) No improvement

Answer: (b)

92. 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. She angrily broke up the letter.

(a) tore up

(b) break in

(c) teared up

(d) No improvement

Answer: (a)

93. 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. They told me that they had build a new house.

(a) have built

(b) have build

(c) had built

(d) No improvement

Answer: (c)

94. 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. One should exercise their right to vote

(a) his

(b) our

(c) one’s

(d) No improvement

Answer: (d)

95. 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. She sank back with a mourn of pain

(a) morn

(b) mourne

(c) moan

(d) No improvement

Answer: (c)

Passage — for questions 96–100

> Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from St. Xavier's College, Kolkata. He then obtained Tripos of Cambridge University and joined the Presidency College, Kolkata, as Professor of Physics. He was a pioneer in the discovery of the wireless and radio and the Microwave. He made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that not only do trees and plants have life, but feel pleasure and pain as we do. He was perhaps the first scientist to suggest the possibility of gathering and utilising energy from solar rays. Last but not least was the Bose Institute which he founded in 1917. It has now become a world-famous Research Laboratory doing yeoman's service to various branches of science.

96. Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from which college?

(a) St. Xavier's College, Kolkata

(b) Cambridge University

(c) Presidency College, Kolkata

(d) Bose Institute

Answer: (a)

97. What is meant by yeoman service?

(a) Minimal

(b) Invaluable

(c) Discreet

(d) Sporadic

Answer: (b)

98. Acharya Jagadish Chandra Bose was a pioneer in the discovery of the wireless, radio and the ____ .

(a) Toaster

(b) Oven

(c) Microwave

(d) Radio

Answer: (c)

99. Jagadish Chandra Bose made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that trees and plants have not only life, but ____ .

(a) feel joyous and excited as we do.

(b) feel happy and sad as we do.

(c) feel excitement and pain as we do.

(d) feel pleasure and pain as we do.

Answer: (d)

100. What is meant by a Tripos from Cambridge University?

(a) A scholarship

(b) A trophy

(c) A degree

(d) A medallion

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	**(a)**	2	**(b)**	3	**(b)**	4	**(d)**	5	**(b)**	6	**(d)**	7	**(c)**	8	**(d)**
9	**(b)**	10	**(b)**	11	**(b)**	12	**(a)**	13	**(d)**	14	**(d)**	15	**(b)**	16	**(b)**
17	**(a)**	18	**(d)**	25	**(a)**										

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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