PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 28 August 2016, Shift 3

SSC CGL · 28 August 2016 · 4:15 PM - 5:30 PM

85 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: 15 (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 28 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-1-28-aug-shift-3/

General Intelligence and Reasoning

1. Select the related word/letters/number from the given alternatives. Head : Human Body :: ?
   (a) Arc : Circle
   (b) Cube : Circle
   (c) Square : Circle
   (d) Triangle : Circle
   Answer: (a)

2. Select the related word/letters/number from the given alternatives. PZQW : NXOU :: FISK : ?
   (a) EFPJ
   (b) FERI
   (c) DGQI
   (d) HKVM
   Answer: (c)

3. Select the related word/letters/number from the given alternatives. 7 : 19 :: 10 : ?
   (a) 25
   (b) 30
   (c) 21
   (d) 23
   Answer: (a)

4. For the following questions Find the odd word/letters/number pair from the given alternatives.
   (a) Bigger
   (b) Faster
   (c) Greater
   (d) Taller
   Answer: (b)

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

(a) AEIM

(b) BFJN

(c) CGKO

(d) FDKN

Answer: (d)

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

(a) 140 → 45

(b) 110 → 35

(c) 100 → 30

(d) 80 → 25

Answer: (c)

7. Arrange the following words as per order in the dictionary
1. Forest 2. Fascinating 3. Fantastic 4. Fabulous

(a) 2, 4, 3, 1

(b) 4, 2, 3, 1

(c) 4, 3, 2, 1

(d) 2, 3, 4, 1

Answer: (c)

8. Which one set of letters when sequentially placed the gaps in the given letter series shall complete it ? a_ ca_c_dc_d_ad_

(a) ddacdc

(b) daadca

(c) dadaac

(d) ddaacc

Answer: (d)

9. Which number comes next in the series? 1, 5, 2, 6, 3, 7, ?

(a) 6

(b) 5

(c) 4

(d) 3

Answer: (c)

10. P and Q are sisters. R and S are brothers. P's daughter is R's sister. What is Q's relation to S?

(a) Mother

(b) Grandmother

(c) Sister

(d) Aunt

Answer: (d)

11. A man was 32 years of age when he had his first son. His wife was 35 years of age when his son attained the age of 7 years. The difference between the age of the father and the mother is ____ .

(a) 7 years

(b) 3 years

(c) 5 years

(d) 4 years

Answer: (d)

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

(a) CEMENT

(b) NOUN

(c) COUNTER

(d) TENSE

Answer: (c)

13. If RATION is written as OXQFLK then LUMBER may be written as ____ .

(a) KTLADQ

(b) ITJABQ

(c) OXPEHU

(d) IRJYBO

Answer: (d)

14. A∗B means multiply A by B; A@B means divide [illegible] by B, A?B means add B to A and A=B means subtract B from A. Then find the value of 1[illegible] = [illegible] ? 50@10

(a) 100

(b) 45

(c) 1000

(d) 55

Answer: (d)

15. If 37∗14 = 17, 69∗33 = 34, 91∗125 = 72 then what should 28∗56 = ?

(a) 26

(b) 42

(c) 34

(d) 28

Answer: (d)

16. Select the missing numbers from the given responses

(a) 110

(b) 120

(c) 130

(d) 140

Answer: (c)

17. P started walking from North to South. She turned right at right angle and then again right at right angle. In which direction was she ultimately walking?

(a) North

(b) East

(c) South

(d) West

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: All states having dams face no water problem. One of the states has no dam. Conclusions: I. It may be facing water problem. II. Dams solve water problem.

(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: (c)

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 first by its row and next by its column, e.g., 'A' can be represented by 03, 55, etc., and 'P' can be represented by 10, 99, etc. Similarly you have to identify the set for the word 'VENU'

(a) 69, 87, 32, 41

(b) 85, 02, 20, 57

(c) 11, 95, 89, 57

(d) 69, 95, 22, 04

Answer: (b)

General Awareness

26. What is the phenomenon which established the transverse nature of light ?

(a) Reflection

(b) Interference

(c) Diffraction

(d) Polarisation

Answer: (d)

27. What is the name of a memory buffer used to accommodate a speed differential ?

(a) Cache

(b) Stack Pointer

(c) Accumulator

(d) DISC

Answer: (a)

28. What is contained in Chlorophyll ?
    (a) sodium
    (b) potassium
    (c) manganese
    (d) magnesium

    Answer: (d)

29. Epigraphy is the study of which of the following ?
    (a) Coins
    (b) Inscriptions
    (c) Temples
    (d) Birds

    Answer: (b)

30. Who won the Women's Singles Wimbledon Championship 2016 ?
    (a) Angilique Kuber
    (b) Serena Williams
    (c) Venus Williams
    (d) Steffi Graff

    Answer: (b)

31. In which field is B.C. Roy Award given ?
    (a) Music
    (b) Journalism
    (c) Medicine
    (d) Environment

    Answer: (c)

32. What is Damodar Valley Corporation ?
    (a) Statutory body
    (b) Municipal Corporation looking after Damodar Valley
    (c) A private enterprise located in Bihar
    (d) A non government organisation

    Answer: (a)

33. Which is the highest gallantry Award in India?
    (a) Vir Chakra
    (b) Param Vishist Seva Medal
    (c) Kirti Chakra
    (d) Param Vir Chakra

    Answer: (d)

34. Who was recently appointed as the first woman president of Nepal?
    (a) Sita Subedi
    (b) Pampha Bhusal
    (c) Urmila Rana
    (d) Bidhya Devi Bhandari

    Answer: (d)

35. In which field is Pulitzer Prize awarded for outstanding work ?
    (a) Environment study
    (b) Science and Technology
    (c) Literature and Journalism
    (d) International Understanding

    Answer: (c)

36. Why is Carbon Monoxide a pollutant ?
    (a) Reacts with haemoglobin
    (b) Makes nervous system inactive
    (c) It reacts with Oxygen
    (d) It inhibits glycolysis

    Answer: (a)

37. Why is Rann Of Kutch of India famous for ?
    (a) Tidal and flats
    (b) Fertile soil
    (c) Dense Vegetation
    (d) All are correct

    Answer: (a)

38. Commercial banks lend to which of the following Priority sectors?
    (a) Heavy Industries
    (b) Agriculture, Small scale industries
    (c) Foreign Companies
    (d) State government in emergency situation

    Answer: (b)

39. What is the accounting year of the Reserve Bank of India ?
    (a) April-March
    (b) July-June
    (c) October-September
    (d) January-December

    Answer: (b)

40. What is the position of the Earth when it is at the greatest distance from the sun ?
    (a) Aphelion
    (b) Antipode
    (c) Perihelion
    (d) Aldiatc

    Answer: (a)

41. The biogas used for cooking is a mixture of which of the following ?
    (a) Carbon dioxide & oxygen
    (b) Isobutane & propane
    (c) Methane & carbon monoxide
    (d) Methane & carbon dioxide

    Answer: (d)

42. From the following, who was the first women speaker of Lok Sabha?
    (a) Sushma Swaraj
    (b) Margret Alva
    (c) Meera Kumar
    (d) Sarojini Naidu

    Answer: (c)

43. Which of the following wind is blowing from the Mediterranean sea to the North Western parts of India?
    (a) Western disturbances
    (b) Norwesters
    (c) Loo
    (d) Mango showers

    Answer: (a)

44. Azolla increases soil fertility for ....
    (a) maize cultivation
    (b) wheat cultivation
    (c) barley cultivation
    (d) rice cultivation

    Answer: (d)

45. Which of the following is not provided in the constitution ?
    (a) Election Commission
    (b) Finance Commission
    (c) Public Service Commission
    (d) Planning Commission

    Answer: (d)

46. What is the popular name of Monolithic rock shrines at Mahabalipuram ?
    (a) Rathas
    (b) Prasadas
    (c) Mathika
    (d) Gandhakuti

    Answer: (a)

47. What is the name of the device used to convert alternating current into direct current ?
    (a) Ammeter
    (b) Galvanometer
    (c) Rectifier
    (d) Transformer

    Answer: (c)

48. Why does ice covered in sawdust not melt quickly?
    (a) Sawdust does not allow the air to touch the ice
    (b) The water is absorbed by sawdust
    (c) Sawdust is a bad conductor of heat
    (d) Sawdust is good conductor of heat

    Answer: (c)

49. Which layer of the earth's atmosphere contains th zone layer?
    (a) Troposphere
    (b) Mesosphere
    (c) Ionosphere
    (d) Stratosphere

    Answer: (d)

50. Where is the Great Barrier Reef located ?
    (a) Pacific Ocean
    (b) Indian Ocean
    (c) Atlantic Ocean
    (d) Arctic Ocean

    Answer: (a)

Quantitative Aptitude

51. The sum of three consecutive natural numbers each divisible by 5, is 225. The largest among them is
    (a) 85
    (b) 75
    (c) 70
    (d) 80

    Answer: (d)

52. A can do a piece of work in 18 days. He worked at it for 12 days and B finished the remaining work in 8 days. B alone can do the whole work in

(a) 16 days

(b) 24 days

(c) 28 days

(d) 29 days

Answer: (b)

53. The list price of an article is Rs. 900. It is available at two successive discounts of 20% and 10% . The selling price of the article is:

(a) Rs. 640

(b) Rs. 648

(c) Rs. 540

(d) Rs. 548

Answer: (b)

54. A man spends a part of his monthly income and saves the rest. The ratio of his expenditure to the saving is 61 : 6. If his monthly income is Rs.8710, the amount of his monthly savings is

(a) Rs.870

(b) Rs.690

(c) Rs.980

(d) Rs.780

Answer: (d)

55. An article was sold at Rs. 950 allowing [illegible] discount on the marked price. The marked price of the article is

(a) Rs. 960

(b) Rs. 1000

(c) Rs. 955

(d) Rs. 945

Answer: (b)

56. A person loses 75% of his money in the first bet, 75% of the remaining in the second and 75% of the remaining in the third bet and returns home with Rs. 2 only. His initial money was

(a) Rs. 64

(b) Rs. 128

(c) Rs. 256

(d) Rs. 512

Answer: (b)

57. The time taken by a train 160 m long, running at 72 km/hr, in crossing an electric pole is

(a) 8 sec

(b) 9 sec

(c) 6 sec

(d) 4 sec

Answer: (a)

59. If a = 2 , b = -3 then the value of 27 a3 - 54a2b + 36 ab2 - 8b3 is

(a) 1562

(b) 1616

(c) 1676

(d) 1728

Answer: (d)

60. Possible length of the three sides of a triangle are :-

(a) 2 cm , 3 cm , 6 cm

(b) 3 cm , 4 cm , 5 cm

(c) 2.5 cm , 3.5 cm , 6 cm

(d) 4 cm , 4 cm , 9 cm

Answer: (b)

61. AD is the Median of Δ ABC. If O is the centroid and AO = 10 cm then OD is

(a) 5 cm

(b) 20 cm

(c) 10 cm

(d) 30 cm

Answer: (a)

63. Incentre of Δ ABC is I. ∠ABC = 90° and ∠ACB = 70°. ∠AIC is

(a) 115°

(b) 100°

(c) 110°

(d) 105°

Answer: (c)

64. The length of the two adjacent sides of a rectangle inscribed in a circle are 5 cm and 12 cm respectively. Then the radius of the circle will be

(a) 6 cm

(b) 6 . 5 cm

(c) 8 cm

(d) 8 .5 cm

Answer: (b)

65. If $\sin\theta \times \cos\theta = ½$. The value of $\sin\theta - \cos\theta$ is where $0° < \theta < 90°$

(a) 0

(b) $\sqrt{2}$

(c) 2

(d) 1

Answer: (a)

66. The mean of 100 observations was calculated as 40. It was found later on that one of the observations was misread as 83 instead of 53. The correct mean is:

(a) 39

(b) 39.7

(c) 40.3

(d) 42.7

Answer: (b)

69. A sphere of radius 5 cm is melted to form a cone with base of same radius. The height (in cm) of the cone is

(a) 5

(b) 10

(c) 20

(d) 22

Answer: (c)

70. The difference between compound interest and simple interest on a certain sum of money for 2 years at 5% per annum is Rs. 41. What is the sum of money?

(a) Rs.7200

(b) Rs.9600

(c) Rs.16400

(d) Rs.8400

Answer: (c)

71. A man standing on the bank of river observes that the angle subtended by a tree on the opposite bank is 60o. When he retires 36 m from the bank, he finds that the angle is 30o. The breadth of the river is

(a) 15 m

(b) 18 m

(c) 16 m

(d) 11 m

Answer: (b)

72. Study the bar-graph given below which shows the % distribution of total expenditures of a company under various expense and answer the questions.
The expenditures on the interest on loans is more than the expenditures on transport by

(a) 5%

(b) 10%

(c) 40%

(d) 30%

Answer: (c)

73. Study the bar-graph given below which shows the % distribution of total expenditures of a company under various expense and answer the questions.
If the interest on loans amounted to ₹ 2.45 crores, then the total amount of expenditure on advertisement, taxes and research & development is:

(a) ₹ 7 Crores

(b) ₹ 4.2 Crores

(c) ₹ 5.4 Crores

(d) ₹ 3 Crores

Answer: (b)

74. Study the bar-graph given below which shows the % distribution of total expenditures of a company under various expense and answer the questions.
The ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans is:

(a) 5:4

(b) 8:7

(c) 9:7

(d) 13:11

Answer: (d)

75. Study the bar-graph given below which shows the % distribution of total expenditures of a company under various expense and answer the questions.
If the total expenditure of the company is Rs. 20 crores, then the ratio of expenditure on transport to that on salary is

(a) 5:4

(b) 4:5

(c) 5:8

(d) 8:5

Answer: (c)

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. ENIGMA

(a) ATTRACTIVE

(b) RIDDLE

(c) FLARE-UP

(d) DREAM

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. INERTIA

(a) STUPOR

(b) VIGOUR

(c) LANGUOR

(d) INERTNESS

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) Pious

(b) Pios

(c) Pieos

(d) Piuos

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. Each child (A) / was given a (B) / red beautiful balloon. (C) / No error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. She has had the best medical facilities available (A) / but she will not be cured (B) / unless she does not have a strong desire to live (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. As if aware of my condition (A) / the infuriated bird suddenly doubled back on its course (B) / and charged straight after me (C) / No error (D)

(a) A

(b) B

(c) C

(d) D

Answer: (c)

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. The passengers were afraid but the captain _____ them that there was no danger.

(a) suggested

(b) pleaded

(c) advise

(d) assured

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. I insisted _____ his leaving the place.

(a) on

(b) about

(c) in

(d) with

Answer: (a)

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. Please don't _____ me when I'm speaking.

(a) interrupted

(b) interrupts

(c) interrupt

(d) interrupting

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. Beat around the bush

(a) Walk around the forest

(b) Clean the bushy areas

(c) Avoiding the main topic

(d) Play around the forest

Answer: (c)

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. Make room

(a) Clean the room

(b) Make space

(c) Attain the room

(d) Make a clean sweep

Answer: (b)

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. Mend your ways

(a) Happy with one's behaviour

(b) Sad with one's behaviour

(c) Destroy one's behaviour

(d) Improve one's behaviour

Answer: (d)

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 record of one's own life written by oneself

(a) History

(b) Biography

(c) Bibliography

(d) Autobiography

Answer: (d)

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. Belong to the same period

(a) Comrades

(b) Contemporaries

(c) Compromises

(d) Renegades

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. One who listens secretly to private conversation

(a) Eavesdropper

(b) Encroacher

(c) Eaves bearer

(d) Listener

Answer: (a)

Passage — for questions 96–100

> Crude mineral oil comes out of the earth as a thick brown or black liquid with a strong smell. It is a complex mixture of many different substances, each with its own individual qualities. Most of them are combinations of hydrogen and carbon in varying proportions. Such hydrocarbons are also found in other forms such as bitumen, asphalt and natural gas. Mineral oil originates from the carcasses of tiny animals and from plants that live in the sea. Over million of years, these dead creatures form large deposits under sea-bed and ocean currents cover them with a blanket of sand and silt. As this material hardens, it becomes sedimentary rock and effectively shuts out the oxygen, thus preventing the complete decomposition of the marine deposits underneath. The layers of sedimentary rocks become thicker, and heavier. Their pressure produces heat, which transforms the tiny carcasses into crude oil in a process that is still going on today.

96. How does crude oil come out of the earth ?
    (a) Thick brown or black liquid with mild smell
    (b) Thick red brown liquid with strong smell
    (c) Mixture of different colours
    (d) Thick brown or black liquid with a strong smell

    Answer: (d)

97. What is crude mineral oil?
    (a) Complex mixture of many different substances
    (b) Simple mixture of natural gas
    (c) Plain white oil
    (d) It is bitumen

    Answer: (a)

98. From where does mineral oil originate?
    (a) Complex mixture of substances
    (b) Carcasses of tiny animals and plants that live in the sea
    (c) From lakes
    (d) Only from plants

    Answer: (b)

99. The time taken for the marine deposits to harden into rocks is
    (a) a few centuries
    (b) millions of years
    (c) a few decades
    (d) thousands of years

    Answer: (b)

100. Sedimentary rocks leads to the formation of oil deposits because
    (a) their pressure produces heat and turns deposits of animal carcasses and plants into oil.
    (b) it turns heavy and shuts out the oxygen
    (c) it becomes hard and forms into rocks to squeeze oil
    (d) it becomes light and soft and applies pressure to produce oil

    Answer: (a)

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

General Awareness

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

Quantitative Aptitude

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

English Comprehension

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