PREVIOUS YEAR PAPER

SSC CGL 2016 Tier I — 4 September 2016, Shift 2

SSC CGL · 4 September 2016 · 1:15 PM - 2:30 PM

80 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: 20 (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 4 September 2016, 1:15 PM - 2:30 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-1-4-sep-shift-2/

General Intelligence and Reasoning

1. Select the related word/letters/numbers from the given alternatives: Summer : Aestivation :: Winter : ?

(a) Cache
(b) Hibernation
(c) Survival
(d) Activation

Answer: (b)

2. Select the related word/letters/numbers from the given alternatives: BFJ : NRV :: DHL :?

(a) PTA
(b) PTX
(c) KQS
(d) MQV

Answer: (b)

3. Select the related word/letters/numbers from the given alternatives: 5 : 30 :: 7 : ?

(a) 54
(b) 50
(c) 49
(d) 56

Answer: (d)

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

(a) Throat
(b) Eye
(c) Ear
(d) Skin

Answer: (a)

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

(a) ABBC

(b) PQQR

(c) WYYZ

(d) KLLM

Answer: (c)

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

(a) 16

(b) 4

(c) 2

(d) 36

Answer: (c)

7. Which word comes first in the dictionary?

(a) Carrom

(b) Cramming

(c) Carrier

(d) Cartoon

Answer: (c)

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

(a) NKG

(b) NKI

(c) MJG

(d) MJH

Answer: (c)

9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
9 , 21, 45, 93, ? , 381

(a) 189

(b) 198

(c) 188

(d) 112

Answer: (a)

10. Pointing towards a girl, Rajan said, she is the daughter of my mother's daughter. Then how is the girl related to Rajan?

(a) Daughter

(b) Niece

(c) Nephew

(d) Uncle

Answer: (b)

11. M is brother of N. B is brother of N. M is brother of D. But N is not brother of D. How is N related to D?

(a) Nephew

(b) Cousin

(c) Sister

(d) Brother

Answer: (c)

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

(a) MART

(b) COMMON

(c) MOMENT

(d) CONTRACT

Answer: (d)

13. If MOMENTUM is coded as EMOMNTU[illegible] [illegible]ther [illegible]AGNETIC will be coded as?

(a) NGMAEITC

(b) NGAMECTI

(c) NGAMETIC

(d) NGMAETIC

Answer: (c)

15. If 13∗45 = 29 , 24∗58 = 41 , 74∗32 = 53 , what should 97∗47 be?

(a) 73

(b) 72

(c) 63

(d) 64

Answer: (b)

16. Find the missing numbers from the given alternatives

(a) 73

(b) 68

(c) 101

(d) 55

Answer: (a)

17. If South-East is changed to North and North-East to West and so on, then what will come in place of South?

(a) South-West

(b) North-East

(c) South-East

(d) North-West

Answer: (b)

18. One or two statements are given followed by two conclusions/assumptions, 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 are to decide which of the given conclusions/assumptions can definitely be drawn from the given statement. Indicate your answer. Statements: 1. All mangoes are golden in colour. 2. No golden coloured things are cheap. Conclusions: I. All mangoes are cheap. II. Golden-coloured mangoes are not cheap.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Either conclusion I or conclusion II follows

(d) Both conclusions I and II follow

Answer: (b)

25. In this question, the sets of numbers given in the alternatives are represented. 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 02,14, etc., and 'P' can be represented by 56, 68, etc. Similarly you have to identify the set for the word 'BEAT'

(a) 40 , 88 , 65 , 30

(b) 00 , 76 , 33 , 23

(c) 31 , 88 , 34 , 23

(d) 24 , 57 , 58 , 41

Answer: (b)

General Awareness

26. The innovation theory of profit was proposed by

(a) Marshall

(b) Clark

(c) Schumpeter

(d) Joan Robbinson

Answer: (c)

27. The most abundant element in the earth's atmosphere is

(a) Argon

(b) Nitrogen

(c) Oxygen

(d) Krypton

Answer: (b)

28. Who was the first Indian to be elected as a Member of the British House of Commons?
    (a) Jayaprakash Narayan
    (b) Dada Bhai Naoroji
    (c) Ram Manohar Lohia
    (d) Sarojini Naidu

    Answer: (b)

29. Mohammed Bin Tuglaq transferred his capital from
    (a) Delhi to Warangal
    (b) Delhi to Devagiri
    (c) Delhi to Madurai
    (d) Delhi to Vijayanagar

    Answer: (b)

30. During the reign of which dynasty was the Great Wall of China constructed?
    (a) Sung
    (b) Tang
    (c) Han
    (d) Chin

    Answer: (d)

31. Winds blowing constantly in one direction in rocky deserts form
    (a) Chimneys
    (b) Mushrooms rocks
    (c) Yardangs
    (d) Demoiselles

    Answer: (c)

32. Sphygmomanometer measures the blood pressure in the
    (a) Veins
    (b) Arteries
    (c) Eyes
    (d) Synovial

    Answer: (b)

33. The reverse effect of X-ray emission is
    (a) Raman effect
    (b) Compton effect
    (c) Zeeman effect
    (d) Photo-electric effect

    Answer: (d)

34. WIMAX stands for
    (a) Wireless Interoperability for Microwave Access
    (b) Wired Interoperability for Microwave Access
    (c) Worldwide Interoperability for Microwave Access
    (d) Worldwide Infrastructure for Microwave Access

    Answer: (c)

35. India is developing Chabahar Port in which of the following countries?
    (a) Iraq
    (b) Oman
    (c) Iran
    (d) Afghanistan

    Answer: (c)

36. Dipa Karmakar is the first Indian woman to have qualified for Rio Olympic Games in which sport?
    (a) Archery
    (b) Boxing
    (c) Badminton
    (d) Gymnastics

    Answer: (d)

37. What is the name of the deadly volcano in Indonesia that erupted again in May 2016?
    (a) Mount Singabung
    (b) Mount Merapi
    (c) Mount Rinjani
    (d) Mount Agung

    Answer: (a)

38. The world's largest and deepest rail tunnel Gotthard Base Tunnel is located in which country?
    (a) Belgium
    (b) Austria
    (c) Switzerland
    (d) Sweden

    Answer: (c)

39. SIDO is related to the development of
    (a) Small industries
    (b) Steel Industry
    (c) Soap Industry
    (d) Sugar Industry

    Answer: (a)

40. The Wheeler Island has been renamed as
    (a) Vikram Sarabhai island
    (b) Satish Dhawan island
    (c) Abdul Kalam island
    (d) C.V. Raman island

    Answer: (c)

41. Which is the biggest building at Mohenjodaro?
    (a) Great Bath
    (b) Great Granary
    (c) Assembly Hall
    (d) Rectangular Building

    Answer: (b)

42. One of the common forms of representing remote sensing data as information is in the form of
    (a) Thematic Maps
    (b) Political maps
    (c) Distribution maps
    (d) Land use maps

    Answer: (a)

43. Bhakra Nangal Project is constructed across whic ver?
    (a) Ganga
    (b) Sutlej
    (c) Cauvery
    (d) Brahmaputra

    Answer: (b)

44. The group of solar cells joined together in a definite pattern is called a
    (a) Battery
    (b) Solar Heater
    (c) Solar cooker
    (d) Solar cell panel

    Answer: (d)

45. Chemical composition of cement is
    (a) Limestone and Clay
    (b) Limestone, Clay and Gypsum
    (c) Limestone and Gypsum
    (d) Clay and Gypsum

    Answer: (b)

46. A stretch of sea water, partly or fully separated by a narrow strip from the main sea is called
    (a) Bay
    (b) Isthmus
    (c) Lagoon
    (d) Strait

    Answer: (c)

47. The sigmoid colon is a part of
    (a) Small Intestine
    (b) Large Intestine
    (c) Pharynx
    (d) Rectum

    Answer: (b)

48. Beginning from the Financial Year 2017-18 NITI Ayog plans to replace the 5 year plans with which of the following
    (a) 5 year Vision Document
    (b) 10 year Vision Document
    (c) 15 year Vision Document
    (d) 20 year Vision Document

    Answer: (c)

49. The connective tissue that connects a muscle to bone is
    (a) Cartilage
    (b) Ligament
    (c) Tendon
    (d) Interstitial fluid

    Answer: (c)

50. Indian Citizenship is granted by
    (a) The President of India
    (b) The Prime Minister
    (c) The Ministry of Home Affairs
    (d) The Ministry of External Affairs

    Answer: (c)

Quantitative Aptitude

51. One tap can fill a water tank in 50 mins and another tap can make the filled tank empty in 75 mins. If both the taps are open together, already half filled tank would be full in
    (a) 60 min
    (b) 75 min
    (c) 125 min
    (d) 150 min

    Answer: (b)

53. The shopkeepers announce the same price of Rs. 700 for a sewing machine. The first offers successive discounts of 30% and 6% while the second offers successive discounts of 20% and 16%. The difference in their selling price is

(a) Rs. 9.8

(b) Rs. 16.8

(c) Rs. 22.4

(d) Rs. 36.4

Answer: (a)

54. The amount of extension in a spring is proportional to the weight hung on it. If the weight of 5 kgs produces an extension of 0.4 cm, what weight would produce an extension of 5cm?

(a) 6.25kgs

(b) 62.5kgs

(c) 4kgs

(d) 40kgs

Answer: (b)

55. 12 copies of a book were sold for Rs. 1800 thereby gaining cost price of 3 copies. The cost price of a copy of the book is

(a) Rs. 120

(b) Rs. 150

(c) Rs. 1200

(d) Rs. 1500

Answer: (a)

56. In a marriage party 32% are women, 54% [illegible]en and there are 196 children. How many men are there in the marriage party?

(a) 756

(b) 448

(c) 332

(d) 324

Answer: (a)

57. A train is running at a speed of 116 kms/hr. The distance covered by the train in meters in 18 secs is

(a) 900m

(b) 1160m

(c) 508m

(d) 580m

Answer: (d)

58. If a+b = 5, then the value of (a-3)7 + (b-2)7 is

(a) 27

(b) 37

(c) 1

(d) 0

Answer: (d)

60. The length of a median of an equilateral triangle is 12√3 cms. Then the area of the triangle is

(a) 144 sq. cms

(b) 288√3 sq. cms

(c) 144√3 sq. cms

(d) 288sq.cms

Answer: (c)

63. How many numbers divisible by 125 can be written by using all the digits 2,3,8,7,5 exactly once?

(a) 4

(b) 5

(c) 6

(d) 7

Answer: (a)

64. The average salary of all workers in a workshop is Rs.12000. The average salary of 7 technicians is Rs.15000 and the average salary of the rest is Rs.9000. The total number of workers in the workshop is

(a) 12

(b) 13

(c) 14

(d) 15

Answer: (c)

66. The maximum value of 5+20x-4×2, when x is a real number is

(a) 1

(b) 5

(c) 25

(d) 30

Answer: (d)

68. If an interior of a regular polygon is 170o, then the number of sides of the polygon is

(a) 36

(b) 20

(c) 18

(d) 27

Answer: (a)

70. Starting with 8000 workers, the company increases the number of workers by 5%, 10% and 20% at the end of first, second and third year respectively. The number of workers in the fourth yearwas

(a) 10188

(b) 11088

(c) 11008

(d) 11808

Answer: (b)

71. If SinX-CosX=1, where 'X' is an acute angle, the value of SinX+CosX is

(a) 0

(b) 1

(c) 1/2

(d) 2

Answer: (b)

72. Study the following bar graph carefully and answer the questions
In 1990, how many more students were enrolled at State University than at Central University?

(a) 1505 students

(b) 1650 students

(c) 2000 students

(d) 1980 students

Answer: (c)

73. Study the following bar graph carefully and answer the questions
Total enrolments in both State University and Central University during the year 1980, 1990 and 2000 is

(a) 80000

(b) 66000

(c) 70000

(d) 76000

Answer: (c)

74. Study the following bar graph carefully and answer the questions
Ratio of the total enrolments in the year 1980 and 2000 at the State University and Central University is

(a) 4:5

(b) 2:3

(c) 6:5

(d) 5:6

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. OMINOUS

(a) OFFICIOUS

(b) PLEASANT

(c) CONVENIENT

(d) THREATENING

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. OBSTINATE

(a) DOCILE

(b) AGGRAVATE

(c) OFFENSIVE

(d) OPPRESSIVE

Answer: (a)

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) Benevolens

(b) Benevolene

(c) Benevolence

(d) Benevelence

Answer: (c)

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. All works of (A) / creative writing (B) / have aesthetics appeal (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. I and my wife (A) / were declared (B) / the best couple at the party (C) / No error (D).

(a) A

(b) B

(c) C

(d) D

Answer: (a)

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. The author said during the press conference (A) / that there were (B) / two farther volumes to be published (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. A partial victory is sometimes all we can hope to _____.

(a) gain

(b) lose

(c) suffer

(d) reward

Answer: (a)

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. My father has been advised to _____ his smoking.

(a) cut down

(b) cut off

(c) cut into

(d) cut in

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. I had not expected to meet him; it was quite an _____ meeting.

(a) organised

(b) unique

(c) accidental

(d) intentional

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. A dark horse

(a) A wild animal

(b) A black horse

(c) An unknown entry

(d) A front runner

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. Throw cold water

(a) Encourage

(b) Discourage

(c) Attack

(d) Drench

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. Butt in

(a) Record

(b) Impose

(c) Improvise

(d) Interrupt

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 narrow stretch of land connecting two large bodies of land.

(a) Lagoon

(b) Cape

(c) Strait

(d) Isthumus

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. An animal which lives by preying on other animals

(a) Aggressor

(b) Attacker

(c) Terminator

(d) Predator

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. Government or rule by a small group of people

(a) Monarchy

(b) Oligarchy

(c) Autocracy

(d) Autonomy

Answer: (b)

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. Until he was ten, young Alexander Fleming attended the nearby Loudoun Moor School. He was then transferred to Darvel School which he attended with his brothers. Alexander learned a good deal about nature during that four mile downhill hike to school and the four mile uphill return trip. He was a quick student and at twelve, the age limit prescribed for Darvel school, he was sent to Kilmarmock Academy. Two years later he joined his brothers John and Robert at the home of his elder brother Thomas, who was to become a successful occultist in London. However, the economic success of the family was yet to be and Alexander was forced to leave school for economic reasons. When he was sixteen, he obtained a job in a shipping company. Good fortune, however, was on his side and on the side of humanity. In 1901, he received a share in a legacy which made it possible for him to return to school. He decided to study medicine.

96. Alexander trekked _____ miles every day to attend Darvel school.
    (a) four
    (b) eight
    (c) twelve
    (d) sixteen
    Answer: (b)

97. He was a 'quick student' means that Alexander
    (a) Reached school before his brothers
    (b) Was a lively student
    (c) Ran the races
    (d) Was a fast learner
    Answer: (d)

98. "... and at twelve, the age limit prescribed for Darvel school ... " in this context means that children were
    (a) Admitted to school at the age of twelve
    (b) Allowed to remain in the school only up to the age of twelve
    (c) Admitted to the school any time after the age of twelve
    (d) Not admitted to the school before they were twelve
    Answer: (b)

99. Alexander became well off
    (a) By working in a shipping company
    (b) When his brother became a successful occultist
    (c) Because he studied medicine
    (d) By receiving a share in a legacy
    Answer: (d)

100. Alexander left school

(a) To study economics

(b) To work with his brother

(c) To study medicine

(d) Due to financial problems

Answer: (d)

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

General Awareness

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

Quantitative Aptitude

51	**(b)**	53	**(a)**	54	**(b)**	55	**(a)**	56	**(a)**	57	**(d)**	58	**(d)**	60	**(c)**
63	**(a)**	64	**(c)**	66	**(d)**	68	**(a)**	70	**(b)**	71	**(b)**	72	**(c)**	73	**(c)**
74	**(d)**														

English Comprehension

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